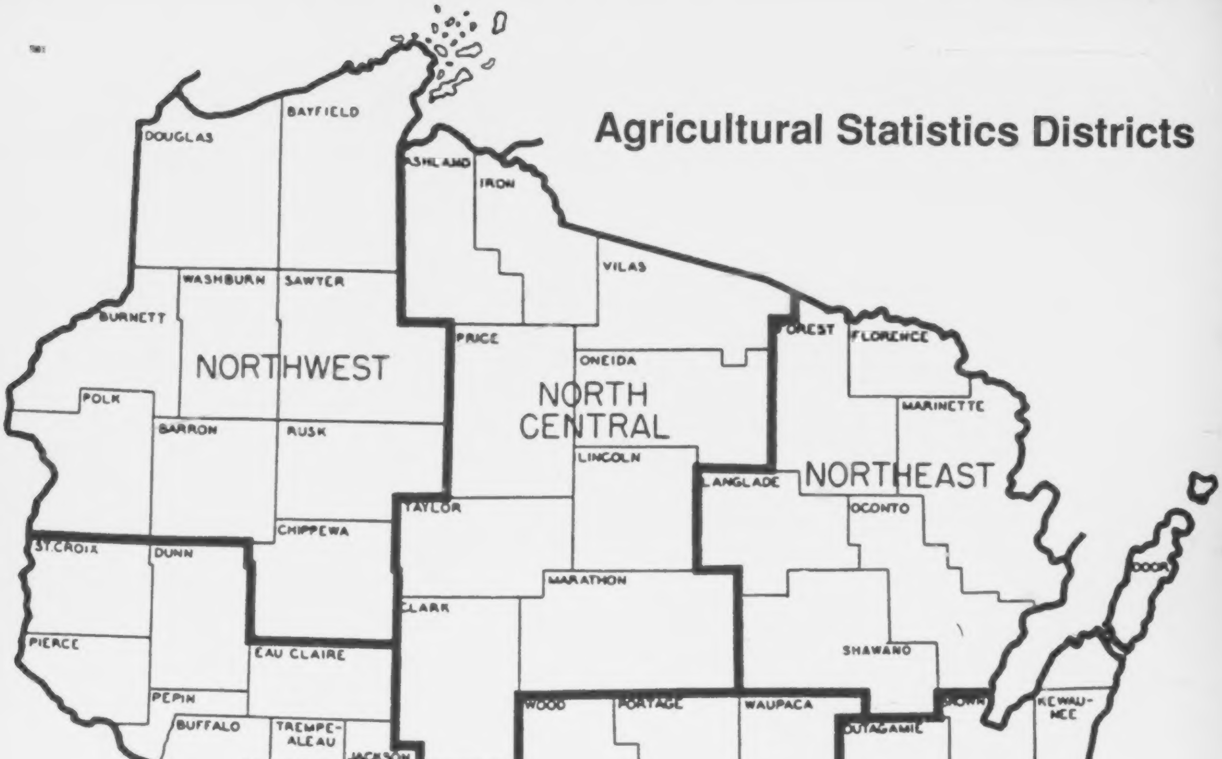
S8680-1-U

Wisconsin 1991

Agricultural Statistics

Agricultural Statistics Districts


NORTHWEST
NORTH CENTRAL
NORTHEAST
WEST CENTRAL
CENTRAL
EAST CENTRAL
SOUTHWEST
SOUTH CENTRAL
SOUTHEAST
DOUGLAS
BAYFIELD
ASHLAND
IRON
VILAS
WASHBURN
SAWYER
BURNETT
PRICE
ONEIDA
FOREST
FLORENCE
MARINETTE
POLK
BARRON
RUSK
LINCOLN
LANGLADE
TAYLOR
OCONTO
CHIPPEWA
ST. CROIX
DUNN
MARATHON
DOOR
CLARK
PIERCE
EAU CLAIRE
SHAWANO
PEPIN
WOOD
PORTAGE
WAUPACA
BROWN
KEWAUNEE
BUFFALO
TREMPEALEAU
OUTAGAMIE
JACKSON
JUNEAU
ADAMS
WAUSHARA
WINNEBAGO
CALUMET
MANITOWOC
MONROE
LA CROSSE
MARQUETTE
GREEN LAKE
FOND DU LAC
SHEBOYGAN
VERNON
SAUK
COLUMBIA
DODGE
RICHLAND
WASHINGTON
OZAUKEE
CRAWFORD
DANE
JEFFERSON
WAUKESHA
MIL.
GRANT
IOWA
GREEN
ROCK
WALWORTH
RACINE
LA FAYETTE
KENOSHA

Price $4.00

National Agricultural Statistics Service, USDA

Wisconsin Department of Agriculture, Trade and Consumer Protection

Wisconsin Agricultural Statistics Service
P.O. Box 9160
Madison, WI 53715
(608) 264-5317

A Cooperative Function of

WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION
Alan T. Tracy, *Secretary*
Elizabeth Kohl, *Deputy Secretary*

UNITED STATES DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
Charles E. Caudill, *Administrator*
Donald M. Bay, *Deputy Administrator for Operations*
Fred S. Barrett, *Director, State Statistical Division*

Compiled by
WISCONSIN AGRICULTURAL STATISTICS SERVICE
Lyle H. Pratt, *State Statistician*
Dave Aune, *Deputy State Statistician*
Marvin Heiser, *Dairy Section*
Edward S. Lippert, *Livestock and Poultry Section*
V. Roger Stewart, *Crops Section*
Steven D. Wilson, *Surveys Section*
Wendy Thompson, *Bulletin Coordinator*

THE 1991 WISCONSIN AGRICULTURAL STATISTICS

The Wisconsin Agricultural Statistics Service provides data users with unbiased statistics about the State's agricultural industry. Cash receipts from the sale of crops, livestock and livestock products contributed a record $5.6 billion to the State's economy in 1990. Dairy is the most important commodity, traditionally providing over half of the total receipts. In recent years, meat animals have ranked second followed by crops. The state-federal statistical program began back in 1917 and has continued to strive for data quality and service. As we proceed into the 1990s, we see new challenges to agriculture's traditional use of land, water and other resources. Agriculture will be required to justify its claim to these resources with facts and figures. We also see rapid expansion of genetic engineering and other biotechnology to increase productivity and solve pest and disease problems. Unbiased statistics will be needed to measure and evaluate change.

A big "thank you" goes to our farmers and agribusinessmen who voluntarily answer survey questionnaires to provide input to this and other reports. Thanks also to our talented staff of statisticians, technicians and enumerators who are dedicated to providing you with high quality, timely information.

The cover photo is the courtesy of *Agri-View*.

Lyle H Pratt

Lyle H. Pratt
State Statistician

Special commodity supplement this year covers Economics Affecting The Farm Sector

For other supplements see Agricultural Statistics dated:
1986 — BEEF; Production, Marketing and Consumption
1986 — RECORD HIGHS and LOWS in Wisconsin
1987 — PORK: Production, Marketing and Consumption
1988 — CORN: Production, Marketing and Prices
1989 — HAY: Production, Disposition and Value
1990 — SPECIALTY CROPS: Production, Disposition & Value
1991 — Economics Affecting The Farm Sector

June 1991

Table of Contents

WISCONSIN AGRICULTURE AND ECONOMICS

- Agricultural Land Sales, State and County 14, 15
- Cash Receipts:
  - Farm Marketings 9
  - Farm Marketings, County 10, 11
- Farm Balance Sheet 3
- Farm Income Indications 4
- Farms and Land in Farms, State and County 12, 13
- Prices Paid, Farm Production Items 8
- Prices Received:
  - Crops 7
  - Livestock 6
- Value of Land & Buildings and Gross Rent 13
- Wisconsin Agriculture, Summary 2, 3
- Wisconsin's Rank in Nation's Agriculture 5

CROPS AND VEGETABLES

- Apples 56
- Barley, State and County 30, 31
- Carrots 55
- Cherries 56
- Corn, Grain, State and County 24, 25
- Corn, Silage, State and County 26, 27
- Cranberries 55
- Crops:
  - All, Acreage, Production and Value 17
  - Production, Farm Use, Sales and Value 20, 21
  - Production Index 20
  - Summary 16
  - Values per Acre 54
- Cucumbers, for Pickles 55
- Floriculture, Production and Price
  - Bedding Plants & Hanging Baskets 56
  - Potted Flowers 56
- Grain Stocks, Quarterly 22, 23
- Hay:
  - Alfalfa, State and County 42, 43
  - All Hay, State and County 38, 39
  - All Hay (Haylage Only), State & County 40, 41
  - All Other, State and County 44, 45
  - Stocks 45
- Mint, for Oil 55
- Oats, State and County 28, 29
- Onions 55
- Peas, Green, for Processing, State and County 46, 47
- Potatoes:
  - State and County 52, 53
  - Stocks 54
  - Production, Utilization and Value 54
- Precipitation, Selected Stations 18
- Rye 31
- Snap Beans, for Processing, State and County 50, 51
- Soybeans, State and County 36, 37
- Strawberries 55
- Sweet Corn, for Processing, State and County 48, 49
- Temperature, Selected Stations 19
- Tobacco:
  - Acreage and Production by Type 57
  - Price Per Pound and Value of Production 57
  - Type by County 57
- Wheat (All), State and County 32, 33
- Wheat, Winter, State and County 34, 35

LIVESTOCK AND POULTRY

- Beef Cows:
  - County 64
  - Percent of Operations and Inventory 66
- Broilers 73
- Calf Crop, County 65
- Cattle and Calves:
  - County 63
  - Number on Farms 62
  - Percent of Operation & Inventory 66
  - Production, Disposition and Income 62
- Chickens:
  - Number, Production and Value 73
- Eggs:
  - Production, County 74, 75
  - Production and Value 73
  - Production, Quarterly 73
- Farms, Livestock and Poultry 58
- Federally Inspected Plants 61
- Hogs and Pigs:
  - County 68
  - Exported for Feeding and Breeding 69
  - Number on Farms 66
  - Percent of Operation & Inventory 67
  - Production, Disposition and Income 67
  - Sows Farrowing & Pig Crop 66
- Honey, Production and Value 72
- Layers:
  - County 74, 75
  - Numbers, Quarterly 73
- Livestock, Number and Value by Species 59
- Livestock, Summary 58
- Meat, Per Capita Consumption 59
- Mink 72
- Red Meat and Poultry Production Index 58
- Sheep and Lambs:
  - County 71
  - Lambs Saved 70
  - Number on Farms 70
  - Production, Disposition and Income 70
- Slaughter, Monthly 60, 61
- Trout:
  - Percent Sold by Outlet 72
  - Total Sales and Value 72
- Wool 70

DAIRY

- Cattle and Calves Exported 82, 83
- Dairy Products, Production 81, 82
- Milk Cows:
  - County 78, 79
  - Cows Freshening, Percent 80
  - Numbers, Monthly 80
  - Percent of Operations, by Size Group 79
- Milk Prices and Test, by Product 84, 85
- Milk Production:
  - County 78, 79
  - Disposition, Sales and Income 77
  - Monthly 80
  - Per Cow, Monthly 80
- Summary 76

SPECIAL SUPPLEMENT

- Economics Affecting the Farm Sector 86-97

RECORD HIGHS AND LOWS 98

WISCONSIN SEASONAL DATES Inside Back Cover

State of Wisconsin

Department of Agriculture, Trade & Consumer Protection

Alan T. Tracy
Secretary

801 West Badger Road
PO Box 8911
Madison, WI 53708-8911

FOREWORD

Wisconsin farmers had a productive year in 1990 with strong financial returns. However, the uncertainties of 1991 already remind us of the challenges Wisconsin agriculture will continue to face as we embrace a new decade.

Above normal rainfall and adequate soil moisture in 1990 contributed to good crop yields. While crop prices were lower, production was up substantially. Beef cattle and hog prices were the highest ever.

The dramatic decline in milk prices late in the year is of great concern. With 60 percent of Wisconsin's agricultural income derived from dairying, a healthy dairy economy is vital to the state's agriculture.

We are very sensitive to the difficulties being faced by Wisconsin's most important industry. The Department is taking several steps to improve our dairy farmers' situation.

These new initiatives include working with state and national legislators, economists, and businessmen to expand the research and marketing potential for Wisconsin's dairy products. The Department and Governor Tommy G. Thompson have been actively urging the federal government to change dairy policies and programs that unfairly disadvantage Wisconsin producers.

Products that meet consumer concerns such as low cholesterol and lowfat products are continually being researched. Also, international markets are being opened especially in the Orient for expanding world markets for dairy products.

There are other important concerns as we look at the coming year. Food safety will be a prominent issue, as will recycling and groundwater quality. Not only will our farmers be looked to for quality products, but they'll be pressured for top safety and environmental practices. One top priority will be working with the dairy industry to guarantee a milk system free of drug residues.

Profitable agriculture will depend heavily on the responsible use of our planet's resources. To Wisconsin farmers this means lean and efficient agricultural production, an increased emphasis on sustainable agriculture, and the development of alternative uses for our agricultural products.

As Secretary of the Wisconsin Department of Agriculture, Trade and Consumer Protection, I'm excited and highly encouraged by the new possibilities emerging for agriculture.

Research is opening doors for products that are not only environmentally sound, but also profitable. Agricultural commodities can reduce our dependence on foreign oil through ethanol production, provide biodegradable plastics from corn and potato starch, and produce ink made from soybeans instead of petroleum. Wisconsin farmers can profit from this amazing new market potential.

As we develop efficient sustainable agriculture methods and alternative product uses throughout this decade, Wisconsin agriculture will thrive. Our farmers will profit, and our precious resources will be sustained.

Alan T. Tracy
Secretary
Wisconsin Department of Agriculture,
Trade and Consumer Protection

Wisconsin Agriculture and Economics

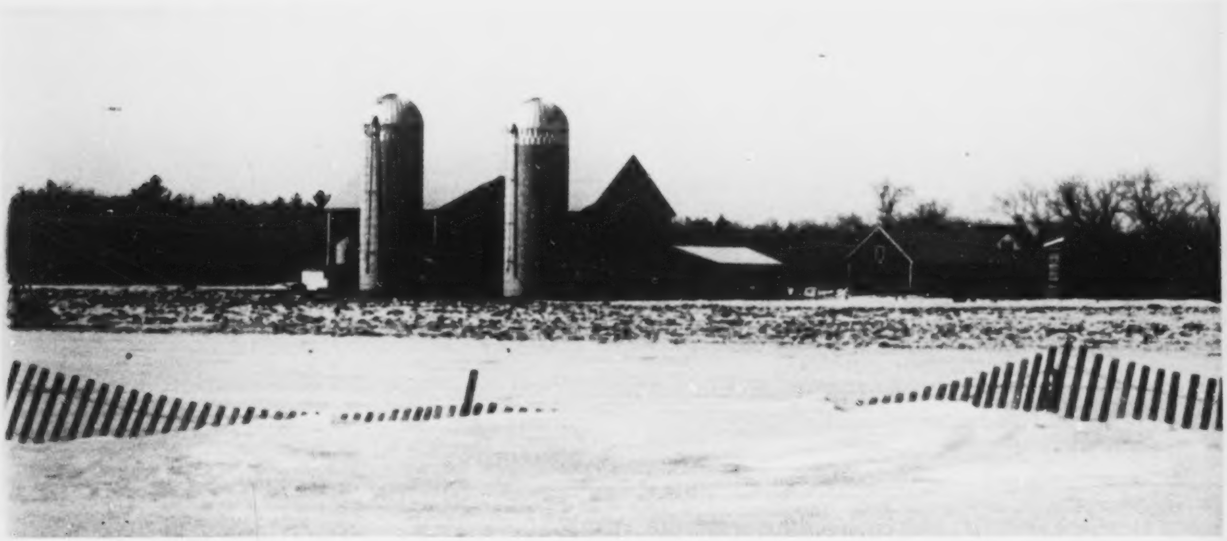


Photo courtesy of Agri-view.

The value of Wisconsin's cash receipts from all commodities in 1990 totaled $5.6 billion, nearly 7 percent above the previous year. This ranked the State eighth in the nation. Livestock and dairy cash receipts increased nearly 6 percent from 1989, reaching a level of $4.6 billion. Cash receipts from crops increased 11 percent to slightly over $1 billion.

The 1990 growing season got off to a sluggish start due to cool, wet weather. Temperatures were slightly above normal in April, but below normal during May. Cool temperatures combined with greater than normal rainfall during May made planting difficult. Soybean plantings were 31 percentage points behind normal on May 27, and never reached the 5-year average. Most of the corn crop was in the ground by June 10, but was slow to appear. Row crops were also slow to appear because of the cool weather and delayed plantings.

Soil moisture was mostly adequate during the 1990 growing season. Rainfall helped to replenish the soil reserves depleted during the drought of 1988 and a somewhat dry 1989. Precipitation was 18 percent above normal from April to September. The only time when soil moisture was short was during April. The weeks ending July 29 through August 19 also were a period of drier soil moisture. By the middle of November, some crop-weather reporters noted that soil was again in need of moisture across the State.

Temperatures were close to normal during the summer, but farmers worried about an early frost. Unseasonably warm weather occurred during September through November with temperatures in the 70s in early November. Most of the crops matured before the first killing frost the second week of October. The pleasant weather made it easier for farmers to harvest full crops.

The harvest was bountiful in 1990 because the moist, warm weather provided favorable growing conditions. Soybean yields were up 4 bushels per acre to average 41 bushels. Production increased 16 percent to 17.6 million bushels. Production of corn for grain was up 14 percent to 354 million bushels, while alfalfa hay increased 18 percent to 8.4 million tons. Wisconsin remained the leader in processed sweet corn, green peas, and snap beans. The production of potatoes was unchanged at 23.1 million hundredweight (cwt.).

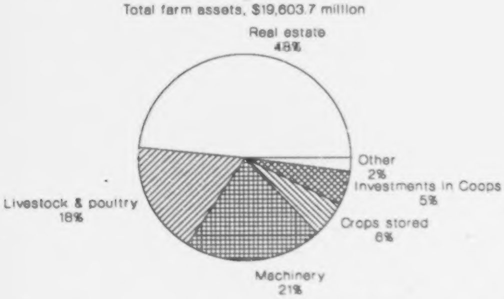
Milk production during 1990 increased 1.7 percent to 24.4 billion pounds. At the end of 1989, producers witnessed the highest milk prices ever and continued in January when the all milk price at test was $15.33 per cwt., but then fell $1.46 in February. Prices were steady through May and strengthened in June and July. Prices, however, declined from August to the end of the year; the average December price was $11.18 per cwt. Average production per cow increased 118 pounds to 13,919 pounds per year. The number of operations with milk cows continued to decline, with a loss of another 1,000 farms and ending the year with 33,000 milk operations.

The total value of farm assets for the farm sector in 1989 increased 3 percent totaling $19.6 billion. The farm sector balance sheet includes both the landlords' and farm operators' farm business assets and debt. The average value of assets per farm increased 4 percent to $242,020. Total farm debt, at $4.6 billion, was 2 percent below the 1988 level, while the average debt per farm was slightly lower in 1989 at $57,180 per farm.

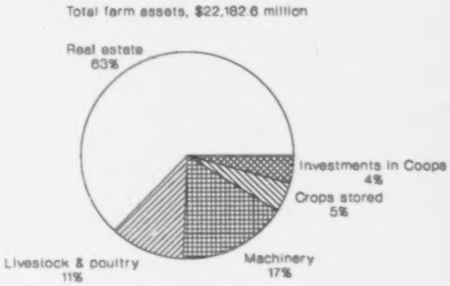
The total 1989 net farm income after inventory adjustments, a measure of the net value of production, increased 55 percent to $1.9 billion. The average net farm income per farm increased 56 percent to $23,068. These phenomenal increases can be explained by the recovery from the drought of 1988. Net cash income, indicating the short-term financial status of farmers, fell $59 million to $2.1 billion. The average net cash income per farm decreased slightly to $25,942, while production expenses rose 11 percent to $4.7 billion.

Net business income, a measure of earnings that best corresponds to taxable income for most farmers, decreased 4 percent to $19,520 per farm in 1989. Returns to operators per farm were up to $22,352 per farm compared to 1988 returns of $14,488.

FARM ASSETS
Wisconsin, December 31, 1989



FARM ASSETS
Wisconsin, January 1, 1979



FARM BALANCE SHEET (Excluding Farm Households): Wisconsin, December 31, 1985-89 1/

Item	1989	1988	1987	1986	1985
			Million dollars		
ASSETS					
Total farm assets	**19,603.7**	19,024.4	17,978.3	17,584.0	18,523.0
Real estate 2/	**9,475.6**	9,572.5	8,959.4	8,671.4	9,263.0
Livestock & poultry 3/	**3,434.7**	3,015.0	2,885.9	2,708.6	2,537.0
Machinery & motor vehicles 4/	**4,132.5**	3,972.5	3,841.6	3,929.3	3,973.6
Crops 5/	**1,094.7**	1,039.0	918.4	983.3	1,491.0
Purchased inputs	**138.2**	137.7	99.8	56.1	34.9
Investments in cooperatives	**1,042.2**	1,003.5	1,007.7	966.1	983.7
Other financial	**285.8**	284.2	265.5	269.4	239.7
CLAIMS					
Total farm debt	**4,631.7**	4,719.9	4,897.1	5,334.8	6,193.9
Real estate debt 6/	**2,236.2**	2,365.3	2,495.8	2,726.8	3,076.0
Nonreal estate debt 7/	**2,395.5**	2,354.6	2,401.2	2,608.0	3,117.9
Equity	**14,971.9**	14,304.5	13,081.3	12,249.2	12,329.1
			Percent		
RATIOS					
Equity/assets	**76.4**	75.2	72.8	69.7	66.6
Debt/equity	**30.9**	33.0	37.4	43.6	50.2
Debt/assets, total	**23.6**	24.8	27.2	30.3	33.4

Source: Economic Indicators of the Farm Sector, February 1991, ERS, USDA. 1/Data are for farms with sales of $1,000 or more annually. 2/Excludes value of operator dwellings. 3/Excludes horses, mules, and broilers. 4/Includes only farm share value for trucks and autos. 5/All non-CCC crops held on farms plus the value above loan rate for crops held under CCC. 6/Excludes debt on operator dwellings, but includes CCC storage and drying facility loans. 7/Excludes debt for nonfarm purposes.

FARM INCOME INDICATIONS (Million Dollars): Wisconsin, 1985-89

Item	1989	1988	1987	1986	1985
Gross farm income 1/	6,541.2	5,410.8	5,858.8	5,650.9	5,680.9
Cash income	5,962.4	5,534.2	5,682.5	5,297.9	5,414.8
Farm marketings	5,278.0	4,979.6	5,089.0	4,858.7	5,082.1
Crops	940.5	764.4	871.6	836.3	1,026.2
Livestock and products	4,337.4	4,215.2	4,217.5	4,022.4	4,055.9
Government payments	522.3	409.4	406.0	266.4	152.2
Other farm income	162.1	145.1	187.5	172.7	180.4
Machine hire/customwork	21.5	18.3	20.5	13.7	21.6
Other farm-related income 2/	140.5	126.9	167.0	159.0	158.9
Noncash income	381.9	389.8	389.0	363.0	426.3
Value of home consumption	38.0	38.1	41.8	47.5	55.2
Rental value of dwellings	344.0	351.7	347.2	315.5	371.1
Operator dwellings	334.7	341.5	337.1	305.3	359.7
Hired laborer dwellings	9.3	10.2	10.2	10.2	11.4
Value of inventory adjustments	196.9	-513.1	-212.7	-10.0	-160.1
Total production expenses 1/	4,672.7	4,202.1	4,300.2	4,300.9	4,469.3
Intermediate product expenses	2,635.5	2,375.2	2,408.2	2,349.9	2,397.3
Farm origin	922.0	842.5	812.2	783.9	790.4
Feed purchased	743.9	681.1	648.9	631.1	615.6
Livestock and poultry purchased	40.1	40.6	42.9	34.9	59.1
Seed purchased	138.0	120.8	120.4	117.9	115.7
Manufactured inputs	688.1	625.2	613.3	610.9	674.9
Fertilizer and lime	268.7	241.0	229.5	240.2	262.2
Pesticides	128.6	99.8	101.4	95.9	94.9
Fuel and oil	176.9	163.3	165.4	176.6	214.1
Electricity	113.9	121.0	116.9	98.2	103.6
Other	1,025.3	907.5	982.7	955.1	932.1
Repair and maintenance	346.5	305.4	300.6	283.2	286.1
Other miscellaneous 3/	678.8	602.1	682.1	672.0	646.0
Interest	543.0	545.2	569.8	618.2	677.7
Real estate	265.2	275.9	281.0	321.7	348.0
Nonreal estate	277.8	269.3	288.9	296.5	329.8
Contract and hired labor expenses	356.1	336.6	325.2	298.0	296.2
Cash labor expenses 4/	341.3	320.4	308.5	284.2	280.0
Perquisites	14.8	16.2	16.7	13.8	16.2
Net rent to nonoperator landlords	171.1	21.4	79.2	90.4	94.0
Capital consumption	633.2	603.6	605.0	668.0	735.6
Property taxes	333.9	320.2	312.8	276.3	268.4
NET FARM INCOME	1,868.5	1,208.7	1,558.6	1,350.0	1,211.6
Cash expenses 5/	3,861.0	3,373.6	3,476.4	3,439.2	3,507.8
Intermediate product expenses	2,586.8	2,315.8	2,351.4	2,300.4	2,339.0
Interest	497.2	479.5	506.3	565.5	616.3
Cash labor expenses 4/	341.3	320.4	308.5	284.2	280.0
Net rent to nonoperator landlords	171.1	21.4	79.2	90.4	94.0
Property taxes	264.5	236.5	231.0	198.8	178.5
NET CASH INCOME	2,101.3	2,160.6	2,206.1	1,858.6	1,907.0
NET BUSINESS INCOME 6/	1,581.1	1,669.0	1,711.1	1,291.9	1,290.7
Gross receipts of farms 7/	6,206.5	5,069.4	5,521.7	5,345.6	5,321.2
Nonfactor payments 5/	3,371.6	3,043.9	3,077.4	3,065.9	3,133.7
Intermediate product expenses	2,586.8	2,315.8	2,351.4	2,300.4	2,339.0
Capital consumption	520.2	491.6	495.0	566.8	616.3
Property taxes	264.5	236.5	231.0	198.8	178.5
Factor payments 5/	2,835.0	2,025.5	2,444.3	2,279.7	2,187.5
Interest	497.2	479.5	506.3	565.5	616.3
Contract and hired labor expenses	356.1	336.6	325.2	298.0	296.2
Net rent to nonoperator landlords	171.1	21.4	79.2	90.4	94.0
RETURNS TO OPERATORS 8/	1,810.5	1,188.0	1,533.6	1,325.8	1,180.9
Off-farm income 9/	1,615.5	1,621.3	1,585.9	1,510.4	1,516.1
Number of farms	81,000	82,000	81,000	82,000	83,000

Source: Economic Indicators of the Farm Sector, February 1991, ERS, USDA. 1/Includes operator dwellings. 2/Includes forest product sales, custom feeding services, and other farm business-related income. 3/Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous expenses. 4/Includes contract labor expenses, hired labor wages, and Social Security payments. 5/Excludes operator dwellings. 6/Cash income less cash expenses and capital consumption. 7/Gross farm income less rental value of operator dwellings. 8/Gross receipts of farms less nonfactor payments, interest, contract and hired labor expenses, and net rent to nonoperator landlords. 9/Includes off-farm income for the principal farm operator and members of that farm operator's family.

WISCONSIN'S RANK IN THE NATION'S AGRICULTURE, 1990

Commodity	Rank among States	Unit	Production			
			Wisconsin (000)	% of U.S.	United States (000)	Leading State
CASH RECEIPTS 1/						
All commodities	8	Dols.	5,622,000	3.4	166,696,000	California
Livestock and livestock products	5	Dols.	4,576,000	5.1	89,161,000	Texas
Crops	26	Dols.	1,047,000	1.4	77,535,000	California
DAIRY						
Milk production	1	Lbs.	24,400,000	16.5	148,284,000	Wisconsin
Butter	1	Lbs.	320,359	24.6	1,302,177	Wisconsin
Cheese, total (excluding cottage cheese)	1	Lbs.	1,910,230	31.5	6,061,162	Wisconsin
American	1	Lbs.	954,352	33.0	2,890,767	Wisconsin
Swiss	3	Lbs.	38,816	14.9	260,737	Illinois
Muenster	1	Lbs.	80,986	80.9	100,132	Wisconsin
Brick	1	Lbs.	10,522	60.7	17,337	Wisconsin
Italian	1	Lbs.	692,889	31.4	2,208,663	Wisconsin
Blue	1	Lbs.	23,464	64.4	36,434	Wisconsin
Cottage cheese						
Cottage cheese curd	4	Lbs.	25,503	5.2	493,452	New York
Cottage cheese creamed	5	Lbs.	42,015	5.0	832,581	New York
Under 4%	5	Lbs.	12,860	4.3	301,945	New York
Over 4%	5	Lbs.	29,155	5.5	530,636	New York
Condensed milk, bulk						
Sweetened, whole	1	Lbs.	100,508	95.4	105,371	Wisconsin
Sweetened, skim	1	Lbs.	42,202	94.8	44,510	Wisconsin
Unsweetened, whole	2	Lbs.	19,704	13.6	144,417	New York
Unsweetened, skim	5	Lbs.	53,672	4.7	1,131,512	California
Dry products						
Nonfat dry milk for human use	3	Lbs.	44,914	5.1	876,636	California
Nonfat dry milk for animal feed	9	Lbs.	673	2.9	23,221	California
Buttermilk	3	Lbs.	3,563	6.4	55,851	California
Whey products						
Dry whey 2/	1	Lbs.	480,120	38.8	1,238,130	Wisconsin
Lactose for human use	1	Lbs.	71,909	37.8	190,407	Wisconsin
Whey protein concentrate, human use	1	Lbs.	30,488	21.7	140,283	Wisconsin
Ice cream	15	Gals.	19,646	2.4	816,077	California
LIVESTOCK AND POULTRY						
All cattle and calves 3/	8	Head	4,170	4.2	99,436	Texas
Milk cows 3/	1	Head	1,765	17.4	10,159	Wisconsin
All hogs and pigs 4/	12	Head	1,200	2.2	54,562	Iowa
Sheep 4/	24	Head	103	0.9	11,200	Texas
Chickens 4/	26	Head	4,275	1.2	351,775	California
Mink pelts 5/	1	Pelts	1,155.1	25.1	4,602.3	Wisconsin
Wool	25	Lbs.	687	0.8	89,157	Texas
Honey	7	Lbs.	8,400	4.3	196,035	Florida
Eggs	23	Eggs	910,000	1.3	67,832,000	California
CROPS						
Corn for grain	7	Bu.	354,000	4.5	7,933,068	Iowa
Corn for silage	1	Tons	9,380	10.8	86,844	Wisconsin
Oats	3	Bu.	47,570	13.3	357,149	South Dakota
Soybeans	18	Bu.	17,630	0.9	1,921,787	Illinois
All wheat	29	Bu.	10,085	0.4	2,738,594	Kansas
Barley	15	Bu.	2,700	0.6	418,856	North Dakota
Rye	9	Bu.	465	4.6	10,098	South Dakota
All hay (dry only)	1	Tons	9,120	6.2	146,985	Wisconsin
All potatoes	4	Cwt.	23,075	5.9	393,867	Idaho
Tobacco	10	Lbs.	13,723	0.8	1,624,934	North Carolina
Cherries, tart	5	Lbs.	4,800	2.3	208,800	Michigan
Apples 6/	18	Lbs.	48,000	0.5	9,524,900	Washington
Strawberries	11	Cwt.	55	0.4	12,573	California
Cranberries	2	Bbl.	1,320	39.2	3,370	Massachusetts
Mint for oil	5	Lbs.	650	6.8	9,518	Oregon
Carrots 7/	4	Cwt.	1,780	6.2	28,914	California
Onions	14	Cwt.	630	1.2	53,508	Oregon
Sweet corn for processing	1	Tons	809.1	25.9	3,120.6	Wisconsin
Green peas for processing	1	Tons	146.0	27.9	523.5	Wisconsin
Snap beans for processing	1	Tons	257.4	32.5	792.8	Wisconsin
Cucumbers for pickles	4	Tons	54.4	8.3	656.5	Michigan

1/Source: ERS, USDA, April 1991 Monthly Cash Receipts. 2/Includes reduced lactose and reduced minerals whey. 3/January 1, 1991 inventory. 4/December 1, 1990 inventory. 5/1989 production. 6/Tied with New Hampshire. 7/Includes portion processed.

PRICES RECEIVED BY FARMERS FOR LIVESTOCK: By Months, Wisconsin, 1985-90

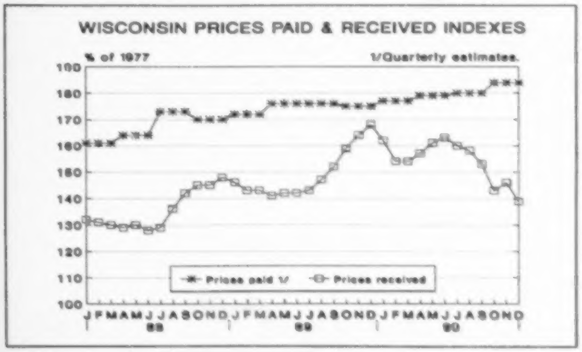
Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Dollars per head											
	MILK COWS											
1990	1,100	-	-	1,140	-	-	1,140	-	-	1,170	-	-
1989	945	-	-	1,000	-	-	990	-	-	1,020	-	-
1988	910	-	-	1,000	-	-	915	-	-	910	-	-
1987	820	-	-	890	-	-	910	-	-	900	-	-
1986	730	-	-	770	-	-	790	-	-	810	-	-
1985	850	-	-	870	-	-	830	-	-	770	-	-
	Dollars per 100 pounds											
	BEEF CATTLE 1/											
1990	56.80	59.10	59.40	61.20	62.70	64.30	63.20	64.10	64.00	62.60	61.30	61.90
1989	52.20	54.80	54.30	56.00	56.30	55.90	56.00	55.80	56.10	55.40	54.00	57.60
1988	52.60	53.80	55.00	57.00	58.50	52.00	51.10	52.40	54.60	53.80	51.30	53.60
1987	46.10	47.60	49.30	51.00	52.20	53.20	52.50	51.40	52.60	51.40	50.10	51.00
1986	42.10	42.30	42.60	40.50	43.60	42.20	41.90	44.20	44.30	44.10	44.60	42.00
1985	46.70	47.80	46.40	45.20	44.80	43.20	40.60	39.90	39.40	42.00	43.10	41.50
	STEERS AND HEIFERS											
1990	69.00	71.00	71.30	73.00	73.00	72.20	71.50	72.80	73.40	74.30	74.90	75.30
1989	65.60	67.30	68.90	69.00	67.70	66.50	66.20	66.70	65.60	66.40	66.20	68.80
1988	59.50	61.60	65.60	67.00	68.00	61.70	61.70	62.90	64.90	66.00	64.60	66.30
1987	51.70	54.50	55.40	57.00	59.20	60.70	60.40	59.50	60.80	59.50	58.40	58.60
1986	52.60	50.30	49.70	47.60	48.40	46.20	47.50	50.90	52.00	52.10	53.10	50.80
1985	57.50	57.20	54.20	53.30	49.90	47.00	45.00	43.80	43.90	49.40	52.20	51.10
	SLAUGHTER COWS											
1990	50.40	51.90	51.40	51.30	52.70	53.70	53.10	53.30	52.40	49.40	46.20	48.50
1989	45.60	48.40	46.60	46.50	46.90	48.30	48.10	49.10	49.80	48.70	47.20	50.00
1988	45.90	47.40	47.50	47.80	47.80	42.80	43.80	45.00	45.80	45.10	43.30	44.80
1987	39.20	40.60	43.50	43.00	43.10	43.30	43.20	43.60	44.50	43.60	42.90	44.60
1986	34.40	36.00	35.70	34.10	36.50	37.20	35.80	35.70	36.30	36.30	34.70	34.40
1985	38.20	40.50	39.80	39.30	39.10	37.30	35.40	35.20	34.40	33.60	32.60	32.20
	CALVES 2/											
1990	135.00	138.00	142.00	144.00	152.00	146.00	141.00	142.00	143.00	136.00	127.00	128.00
1989	125.00	127.00	128.00	130.00	135.00	135.00	121.00	125.00	136.00	129.00	130.00	132.00
1988	117.00	124.00	126.00	128.00	137.00	126.00	116.00	119.00	126.00	124.00	120.00	120.00
1987	91.40	90.00	88.80	97.30	113.00	110.00	107.00	117.00	119.00	119.00	118.00	114.00
1986	84.90	89.00	84.70	87.00	89.20	91.20	79.00	81.80	89.90	86.00	80.50	82.80
1985	87.60	84.40	81.60	78.50	89.40	94.50	88.00	90.60	84.70	80.80	88.90	81.40
	HOGS											
1990	46.00	47.40	50.40	52.70	60.40	58.90	59.90	55.00	53.50	55.20	48.20	46.20
1989	39.60	38.80	37.80	35.60	40.60	43.90	44.60	44.30	41.80	44.80	43.90	46.90
1988	38.40	41.80	44.40	40.60	40.40	45.10	45.50	42.20	43.50	38.80	37.30	39.00
1987	46.20	47.10	46.50	49.80	53.50	58.10	58.60	57.40	52.60	47.20	39.10	38.40
1986	43.70	42.00	40.00	39.40	46.60	52.30	58.70	61.50	58.30	52.20	52.50	49.20
1985	46.70	47.20	47.30	42.40	41.90	40.40	43.50	44.40	41.30	38.90	42.70	44.40
	LAMBS											
1990	55.70	64.20	64.40	60.90	64.00	56.40	54.90	50.70	54.10	50.40	46.50	46.70
1989	66.20	68.50	71.40	76.60	75.30	71.40	65.50	64.40	60.80	59.90	56.90	61.10
1988	83.30	80.00	80.00	72.20	73.50	61.30	59.10	59.30	61.20	62.80	67.10	69.20
1987	79.90	77.40	81.30	86.40	89.00	79.00	73.30	70.90	69.70	67.50	66.80	76.20
1986	67.00	69.00	68.50	73.10	82.00	73.00	70.50	67.70	61.50	58.80	68.00	74.60
1985	66.60	70.40	71.50	72.40	75.40	71.70	72.20	70.50	68.40	66.00	66.00	64.00

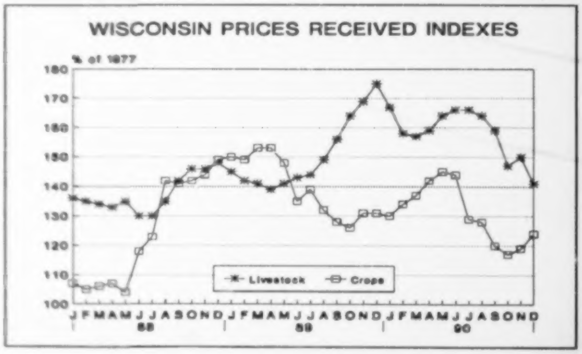
1/Slaughter cows and steers and heifers combined. 2/Includes replacement, feeders, slaughter "bobs" and special fed veal calves weighing less than 500 pounds.

PRICES RECEIVED BY FARMERS FOR CROPS: By Months, Wisconsin, 1986-90

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						Dollars per bushel						
						CORN						
1990	**2.21**	**2.21**	**2.32**	**2.45**	**2.58**	**2.64**	**2.65**	**2.43**	**2.32**	**2.19**	**2.07**	**2.10**
1989	2.58	2.62	2.63	2.71	2.64	2.60	2.43	2.36	2.25	2.20	2.18	2.19
1988	1.68	1.70	1.78	1.81	1.95	2.64	2.67	2.65	2.69	2.69	2.60	2.55
1987	1.38	1.31	1.37	1.48	1.63	1.61	1.52	1.41	1.43	1.51	1.60	1.65
1986	2.30	2.31	2.26	2.22	2.30	2.23	1.99	1.81	1.49	1.42	1.45	1.49
						OATS						
1990	**1.36**	**1.36**	**1.27**	**1.36**	**1.33**	**1.29**	**1.17**	**1.09**	**1.03**	**1.07**	**1.07**	**1.13**
1989	2.45	2.38	2.45	2.12	2.38	1.97	1.46	1.35	1.32	1.29	1.37	1.37
1988	1.75	1.76	1.64	1.64	1.79	2.28	2.59	2.46	2.52	2.48	2.38	2.46
1987	1.32	1.29	1.33	1.31	1.35	1.32	1.20	1.18	1.29	1.40	1.51	1.54
1986	1.26	1.28	1.24	1.21	1.19	1.10	0.93	0.83	0.77	1.00	1.09	1.23
						WHEAT						
1990	**3.51**	**1/**	**3.45**	**3.26**	**3.31**	**3.15**	**2.97**	**2.54**	**2.45**	**2.33**	**2.09**	**2.13**
1989	1/	3.76	1/	1/	3.63	3.52	3.54	3.51	3.48	3.60	3.57	3.66
1988	2.76	2.86	2.70	2.75	2.83	2.99	3.22	3.16	3.55	3.56	3.57	1/
1987	2.31	2.46	2.61	2.43	2.81	2.39	2.26	2.25	2.32	2.61	2.46	2.63
1986	3.06	2.74	3.17	3.10	3.09	2.76	2.50	2.28	2.20	2.21	2.26	2.27
						SOYBEANS						
1990	**5.27**	**5.35**	**5.51**	**5.55**	**5.83**	**5.56**	**5.76**	**5.93**	**5.92**	**5.76**	**5.36**	**5.55**
1989	7.61	6.99	7.26	6.97	6.98	6.91	6.56	5.80	5.65	5.09	5.39	5.38
1988	5.68	5.78	5.74	6.19	6.80	8.34	8.82	8.21	8.14	7.48	7.21	7.22
1987	4.52	4.47	4.54	4.65	5.22	5.32	5.01	4.77	4.84	4.83	5.13	5.34
1986	4.95	5.05	5.11	5.08	5.06	4.98	4.83	4.71	4.60	4.28	4.56	4.42
						Dollars per ton						
						ALL HAY BALED						
1990	**70.00**	**74.00**	**73.00**	**79.00**	**78.00**	**70.00**	**60.00**	**50.00**	**41.00**	**51.00**	**46.00**	**52.00**
1989	126.00	121.00	127.00	133.00	136.00	82.00	1/	70.00	67.00	61.00	70.00	71.00
1988	55.00	55.00	55.00	54.00	53.00	79.00	106.00	105.00	103.00	105.00	104.00	126.00
1987	53.00	54.00	54.00	54.00	55.00	46.00	55.00	57.00	56.00	49.00	49.00	61.00
1986	83.00	85.00	91.00	78.00	59.00	50.00	45.00	48.00	48.00	52.00	54.00	57.00
						Dollars per cwt.						
						POTATOES						
1990	**7.15**	**7.85**	**8.45**	**9.00**	**9.15**	**1/**	**5.30**	**6.40**	**5.00**	**4.75**	**6.00**	**6.05**
1989	6.95	7.20	8.00	7.60	6.15	6.00	8.25	6.90	6.15	6.45	7.50	7.30
1988	3.80	3.55	3.60	3.65	2.20	2.00	5.90	5.70	5.25	5.90	6.85	7.20
1987	5.95	5.30	5.35	6.40	5.05	1/	5.00	4.55	3.95	3.75	3.85	3.80
1986	3.00	2.70	3.30	3.15	3.20	3.20	4.00	4.60	4.00	4.15	4.15	4.10

1/Insufficient sales to establish price.


WISCONSIN PRICES PAID & RECEIVED INDEXES


WISCONSIN PRICES RECEIVED INDEXES

PRICES PAID BY FARMERS FOR COMMODITIES USED IN PRODUCTION
United States, 1987-90

Commodity and unit 1/	Annual average price			
	1990	1989	1988	1987
	Dollars			
FARM MACHINERY				
Combine, self-propelled with grain head, medium capacity	**85,100**	78,500	72,000	65,300
Corn head, for combine, 4-row	**12,900**	12,300	11,800	11,100
Corn planter, with fertilizer attachment, 4-row	**10,700**	10,100	9,800	7,500
Disk harrow, tandem, drawn, 15-17 ft.	**9,285**	8,825	8,195	7,575
Forage harvester, p.t.o. shear bar, pick-up-attachment	**17,300**	16,400	15,500	14,800
Mower, drawn or mounted, 7 ft.	**3,200**	3,060	2,850	2,670
Plow, moldboard, 3 bottoms, drawn or mounted, 1 way	**3,250**	3,120	2,820	2,630
Tractor, 50-59 p.t.o. or belt hp	**17,950**	17,350	17,150	16,650
Tractor, wheel, 110-129 p.t.o. or belt hp	**45,750**	43,900	40,800	38,950
Wagon, farm, gravity unload, running gear and box, less tires	**2,680**	2,590	2,420	2,330
MOTOR SUPPLIES				
Diesel fuel, per gallon	**0.94**	0.76	0.73	0.71
Grease, per 35-pound pail	**34.25**	32.40	31.50	31.60
Motor oil, heavy duty (detergent), per gallon	**4.89**	4.73	4.70	4.58
Storage batteries, cpr 220-310 amps	**49.30**	48.50	49.10	48.20
Tires, tractor, rear, 18.4-34, 6-ply	**447.00**	432.50	411.50	395.00
FARM SUPPLIES				
Chain saw, gasoline, 20-inch	**373.00**	367.50	363.00	366.00
Fence, field and stock, 6' stay wire sp., 32' high, per 20-rod	**74.65**	73.70	71.60	71.75
Pipe, iron, galvanized, 1 1/4-inch inside diameter, per foot	**2.21**	2.09	2.04	2.01
Post, line fence, steel	**2.65**	2.61	2.48	2.48
Twine, baler, per 40-pound bale	**23.85**	21.95	20.75	18.30
Wire, barbed, galvanized, 12 1/2 gauge, 4-point, per 80-rod sp	**37.70**	37.60	37.15	36.20
BUILDING MATERIALS				
Blocks, concrete, 8 X 8 X 16, per 100	**102.00**	99.80	99.00	96.70
Cement, portland, 94 lb. net	**6.51**	6.45	6.37	6.30
Lumber, framing, 2 X 4 fir, standard and better, per 1,000 bd.	**399.33**	404.33	392.33	391.00
Roofing, galvanized steel, 28-29 gauge, per 100 sq. ft.	**45.67**	44.03	42.97	41.40
FERTILIZER AND LIMING MATERIALS				
Anhydrous ammonia, per ton	**190.00**	202.00	199.50	183.50
Mixed fertilizer, 6-24-24, per ton	**199.50**	206.50	208.00	179.50
Muriate of potash, 60%, K20, per ton	**152.50**	158.00	157.00	125.00
Nitrogen solutions, 28% N, per ton	**147.00**	132.00	126.00	111.50
FEED				
Dairy feed, 16% protein, per ton	**182.25**	188.50	182.00	153.75
Hog concentrate, 38-42% protein, per ton	**302.75**	344.75	345.25	276.75
Soybean meal, 44%, cwt.	**13.13**	15.63	15.65	11.93
SEED				
Alfalfa, certified	**253.00**	249.00	245.00	222.00
Corn, hybird, 80,000 kernels	**69.90**	71.40	64.20	64.90
Oats, spring, bu.	**4.19**	5.89	4.37	3.99
Potatoes, cwt.	**11.00**	10.60	7.12	7.95
Soybeans, bu.	**12.50**	14.70	11.90	11.30
AGRICULTURAL CHEMICALS				
Alachlor (lasso), 4#/gal.	**114.00**	108.00	102.00	96.80
Captan 50% wettable powder, lb.	**2.01**	1.89	1.81	1.81
Carbaryl (sevin), 80% wettable powder, 10 lb.	**34.90**	32.60	32.50	31.20
Malathion, 5#/gal.	**92.70**	90.10	88.90	91.80

1/Units are each, unless otherwise specified.

CASH RECEIPTS FROM FARM MARKETINGS: By Commodities, Wisconsin, 1985-89 1/

Commodity	1989	1988	1987	1986	1985
			1,000 dollars		
Cash receipts – farm marketings	5,277,971	4,979,643	5,089,034	4,858,731	5,082,095
All livestock, dairy, and poultry	4,337,423	4,215,238	4,217,477	4,022,406	4,055,912
Meat animals	973,776	1,077,131	1,059,617	889,857	886,849
Cattle and calves	761,488	850,632	770,046	635,699	639,215
Hogs and pigs	207,138	221,482	284,202	249,898	242,527
Sheep and lambs	5,150	5,017	5,369	4,260	5,107
Dairy products	3,183,144	2,951,087	2,968,593	2,926,196	2,973,747
Poultry and eggs	130,061	133,631	127,411	146,702	147,482
Eggs	39,050	28,192	32,322	34,583	31,350
Turkeys	7/	58,094	50,402	67,586	76,162
Broilers	15,962	18,026	16,909	16,565	13,171
Farm chickens	1,284	1,009	718	958	939
Miscellaneous poultry 2/	73,765	28,310	27,060	27,010	25,860
All other livestock	50,442	53,389	61,856	59,651	47,834
Mink	33,495	36,224	47,076	46,785	33,020
Wool	352	543	396	296	294
Honey and beeswax	4,484	4,972	3,864	2,210	8/
Miscellaneous livestock 3/	12,111	11,650	10,520	10,360	14,520
All crops	940,548	764,405	871,557	836,325	1,026,183
Field crops	409,479	355,596	451,498	472,643	625,797
Corn	203,078	161,549	286,773	313,647	418,093
Oats	15,407	17,944	17,568	9,984	14,564
Hay	72,478	73,604	62,979	64,157	78,351
Tobacco	8,370	8,370	10,302	18,086	17,398
Soybeans	72,207	71,936	58,034	45,024	66,474
Wheat	30,261	16,276	11,168	18,225	25,527
Barley	1,564	1,450	1,629	1,736	2,121
Rye	423	159	220	276	355
Miscellaneous field crops 4/	5,691	4,308	2,825	1,508	2,914
All vegetables	354,237	252,997	276,091	225,166	262,808
Potatoes	153,941	101,900	83,250	64,845	89,065
Sweet corn	51,040	34,772	44,275	37,863	40,330
Green peas	29,131	13,637	24,886	23,743	36,359
Snap beans	42,762	31,631	39,956	35,378	37,821
Cucumbers	9,356	8,774	7,461	8,640	7,748
Carrots	8,523	7,657	10,504	9,891	7,287
Onions	3,357	4,006	3,037	3,712	1,502
Miscellaneous vegetables 5/	56,127	50,620	62,722	41,094	42,696
Specialty crops	176,832	155,812	143,968	138,516	137,578
Apples	12,442	10,186	12,890	9,799	8,553
Cherries	848	973	295	788	1,549
Cranberries	62,376	70,512	58,608	59,052	66,051
Strawberries	2,624	2,624	2,508	3,648	2,970
Greenhouse and nursery	85,204	65,053	62,640	58,172	52,041
Mint	11,141	4,002	4,669	5,052	4,505
Miscellaneous specialty crops 6/	2,197	2,462	2,358	2,005	1,909
Government payments	522,332	409,371	405,969	266,424	152,222
Total	5,277,971	4,979,643	5,089,034	4,858,731	5,082,095

1/Values for 1985-89 are preliminary and subject to revision. Revised numbers will be published in October issue of 1990 Cash Receipts. 2/Includes ducks, geese, pheasants, turkeys, and turkey eggs. 3/Includes bees, goats, and goat milk, horses, rabbits, and trout. 4/Includes misc. seeds and other field crops not listed above. 5/Includes beets, cabbage, ginseng, green limas, lettuce and any other vegetables not listed above. 6/Includes misc. fruits, nuts, berries, and mushrooms. 7/Estimate discontinued; included in misc. poultry. 8/Included in misc. livestock. Source: Economics, ERS, USDA, February 1991.

CASH RECEIPTS FROM FARM MARKETINGS: By Counties, Wisconsin, 1989

County	All Commodities	All livestock				All crops		
		Dairy products	Meat animals	Poultry and eggs	Misc. livestock	Field crops	All vegetables	Other crops
	1,000 dollars							
Barron	142,777	81,762	17,812	27,714	251	5,915	7,381	1,942
Bayfield	12,421	8,440	2,257	103	50	846	16	708
Burnett	16,890	10,098	2,956	17	56	1,301	82	2,380
Chippewa	128,574	95,651	19,543	3,484	338	6,700	972	1,886
Douglas	5,976	2,498	1,528	459	743	353	17	378
Polk	81,630	57,904	14,129	1,900	690	4,772	827	1,407
Rusk	37,399	27,582	6,449	26	1,498	1,646	16	183
Sawyer	9,195	5,275	1,690	5	188	345	119	1,574
Washburn	17,903	10,782	2,904	432	133	911	718	2,022
N. W. District	**452,766**	**299,992**	**69,267**	**34,141**	**3,946**	**22,789**	**10,150**	**12,481**
Ashland	8,076	5,883	1,475	14	47	458	16	183
Clark	152,457	116,629	26,543	912	812	5,965	178	1,419
Iron	1,765	639	298	2	372	71	200	183
Lincoln	24,571	16,938	4,142	18	1,039	813	103	1,518
Marathon	229,442	139,973	29,967	1,117	2,109	7,456	46,947	1,873
Oneida	8,983	298	285	5	1,859	106	2,843	3,587
Price	18,153	10,724	2,825	18	1,372	799	35	2,380
Taylor	64,869	48,815	11,035	60	2,402	2,359	16	183
Vilas	4,091	0	37	3	77	38	528	3,409
N. C. District	**512,407**	**339,899**	**76,605**	**2,150**	**10,088**	**18,066**	**50,864**	**14,735**
Florence	2,459	1,532	452	3	29	130	285	27
Forest	4,018	2,384	1,123	3	90	129	258	30
Langlade	51,041	20,100	4,084	66	569	1,375	24,777	70
Marinette	38,022	26,218	6,832	31	510	1,934	2,451	45
Oconto	74,091	53,924	12,200	151	154	3,735	3,520	407
Shawano	113,844	86,301	19,122	95	834	4,397	1,875	1,220
N. E. District	**283,475**	**190,459**	**43,814**	**350**	**2,186**	**11,701**	**33,166**	**1,800**
Buffalo	85,558	57,556	17,391	4,072	95	6,117	85	243
Dunn	118,647	75,610	19,880	5,970	537	9,278	7,091	281
Eau Claire	51,201	33,662	8,743	2,514	303	4,655	1,102	223
Jackson	60,240	30,595	8,952	2,714	613	4,568	253	12,546
La Crosse	51,267	31,081	13,136	39	145	3,984	198	2,683
Monroe	99,034	65,555	16,224	57	417	5,545	77	11,159
Pepin	28,465	19,002	5,830	15	46	3,164	224	183
Pierce	70,409	44,697	17,245	53	292	7,607	163	352
St. Croix	100,126	66,426	18,183	2,091	412	9,372	1,683	1,960
Trempealeau	107,729	62,903	20,456	12,879	894	7,915	591	2,090
W. C. District	**772,675**	**487,087**	**146,039**	**30,403**	**3,754**	**62,206**	**11,467**	**31,720**
Adams	36,170	5,373	2,401	738	204	3,404	23,450	599
Green Lake	46,208	23,465	10,038	148	196	5,170	6,981	210
Juneau	45,140	25,909	7,918	436	114	4,768	3,508	2,487
Marquette	30,998	14,720	6,348	1,072	198	2,471	1,706	4,482
Portage	118,745	32,024	9,891	263	144	3,815	72,259	349
Waupaca	93,539	64,171	14,519	74	265	5,163	7,642	1,705
Waushara	69,731	17,681	5,554	84	492	3,570	39,549	2,801
Wood	85,689	49,031	11,033	81	770	3,384	4,756	16,634
C. District	**526,221**	**232,374**	**67,702**	**2,895**	**2,384**	**31,746**	**159,852**	**29,267**
Brown	102,880	70,953	17,056	87	275	4,977	1,836	7,696
Calumet	83,653	60,107	12,276	476	1,889	5,686	1,508	1,711
Door	39,786	25,906	5,622	30	124	2,290	2,185	3,629
Fond du Lac	150,806	100,578	25,402	498	2,072	11,882	9,208	1,166
Kewaunee	80,792	59,845	12,689	46	557	3,790	1,092	2,774
Manitowoc	126,732	89,832	20,095	788	2,754	7,453	3,687	2,123
Outagamie	125,361	86,435	22,574	781	443	8,251	4,807	2,070
Sheboygan	90,188	57,116	13,670	181	4,849	7,050	5,429	1,893
Winnebago	60,761	39,142	9,408	873	947	7,168	1,685	1,538
E. C. District	**860,959**	**589,914**	**138,792**	**3,760**	**13,910**	**58,547**	**31,437**	**24,599**

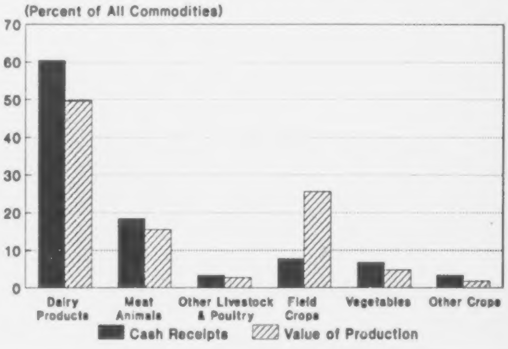
CASH RECEIPTS FROM FARM MARKETINGS: By Counties, Wisconsin, 1989, Continued

County	All Commodities	All livestock				All crops		
		Dairy products	Meat animals	Poultry and eggs	Misc. livestock	Field crops	All vegetables	Other crops
	1,000 dollars							
Crawford	51,416	31,841	13,398	46	168	4,056	108	1,799
Grant	200,066	113,245	70,434	626	236	13,745	437	1,343
Iowa	101,404	64,514	26,729	1,030	198	7,000	1,856	77
Lafayette	122,106	73,175	35,995	55	388	12,299	131	63
Richland	63,465	42,021	15,110	33	179	3,764	502	1,856
Sauk	115,203	68,120	31,194	3,448	294	9,220	1,411	1,515
Vernon	102,021	72,397	20,454	319	373	7,073	104	1,302
S. W. District	**755,679**	**465,313**	**213,314**	**5,557**	**1,837**	**57,155**	**4,548**	**7,955**
Columbia	98,750	47,608	24,619	3,092	381	13,972	6,245	2,834
Dane	196,380	110,974	43,244	3,888	1,032	26,396	5,798	5,047
Dodge	169,799	103,757	37,272	1,712	970	14,562	9,583	1,943
Green	130,204	84,525	31,904	34	610	10,035	1,506	1,590
Jefferson	100,905	47,420	16,078	16,315	1,191	10,598	6,900	2,402
Rock	97,278	43,211	20,466	1,335	1,421	22,487	6,933	1,425
S. C. District	**793,315**	**437,495**	**173,584**	**26,375**	**5,606**	**98,050**	**36,964**	**15,242**
Kenosha	26,798	10,222	4,329	199	1,701	7,457	627	2,263
Milwaukee	15,328	447	262	10	52	1,092	296	13,169
Ozaukee	33,632	19,434	4,582	168	388	3,858	2,179	3,024
Racine	57,750	14,492	5,825	18,039	906	10,281	2,806	5,401
Walworth	78,237	33,173	13,750	5,193	506	15,538	6,565	3,510
Washington	68,436	43,596	10,747	610	445	5,080	1,659	6,299
Waukesha	40,293	19,247	5,165	211	2,734	5,913	1,657	5,366
S. E. District	**320,474**	**140,611**	**44,659**	**24,432**	**6,732**	**49,220**	**15,789**	**39,032**
State	**5,277,971**	**3,183,144**	**973,776**	**130,061**	**50,442**	**409,479**	**354,237**	**176,832**

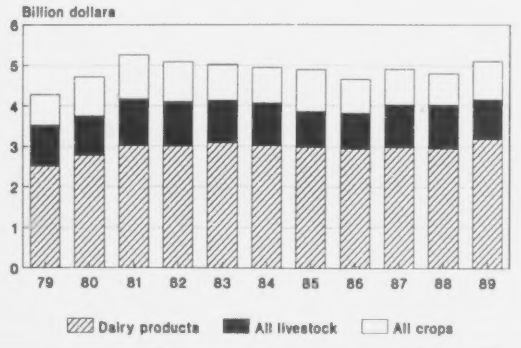
CASH RECEIPTS FROM FARM MARKETINGS
Top Ranking Counties, Wisconsin, 1989

Commodity	1	2	3
All commodities	Marathon	Grant	Dane
Dairy products	Marathon	Clark	Grant
Meat animals	Grant	Dane	Dodge
Poultry and eggs	Barron	Racine	Jefferson
Field crops	Dane	Rock	Walworth
All vegetable	Portage	Marathon	Waushara
Other crops	Wood	Milwaukee	Jackson

CASH RECEIPTS FROM MARKETINGS VS. VALUE OF PRODUCTION, WI 1989



WISCONSIN CASH RECEIPTS FROM FARM MARKETINGS



NUMBER OF FARMS, AVERAGE SIZE, AND LAND IN FARMS: By Counties, Wisconsin, 1989-90

County	1990				1989		
	Number of farms	Average size of farms	Land in farms	Rank	Number of farms	Average size of farms	Land in farms
	Number	Acres			Number	Acres	
Barron	1,790	223.5	400,000	11	1,820	219.8	400,000
Bayfield	430	260.5	112,000	58	430	260.5	112,000
Burnett	460	226.1	104,000	60	470	221.3	104,000
Chippewa	1,800	242.2	436,000	6	1,810	240.9	436,000
Douglas	340	244.1	83,000	63	340	244.1	83,000
Polk	1,600	216.3	346,000	22	1,630	212.3	346,000
Rusk	770	246.8	190,000	42	780	243.6	190,000
Sawyer	210	242.9	51,000	65	220	231.8	51,000
Washburn	400	270.0	108,000	59	400	270.0	108,000
N. W. District	**7,800**	**234.6**	**1,830,000**		**7,900**	**231.6**	**1,830,000**
Ashland	260	261.5	68,000	64	270	251.9	68,000
Clark	2,350	200.9	472,000	4	2,380	198.3	472,000
Iron	60	235.0	14,100	69	60	235.0	14,100
Lincoln	550	218.2	120,000	56 *	550	218.2	120,000
Marathon	3,250	190.2	618,000	2	3,290	187.8	618,000
Oneida	120	358.3	43,000	66	120	358.3	43,000
Price	520	253.8	132,000	54	530	249.1	132,000
Taylor	1,140	232.5	265,000	31	1,150	230.4	265,000
Vilas	50	158.0	7,900	71	50	158.0	7,900
N. C. District	**8,300**	**209.6**	**1,740,000**		**8,400**	**207.1**	**1,740,000**
Florence	90	255.6	23,000	68	90	255.6	23,000
Forest	140	214.3	30,000	67	150	200.0	30,000
Langlade	520	278.8	145,000	51	540	268.5	145,000
Marinette	760	240.8	183,000	45	780	234.6	183,000
Oconto	1,180	212.7	251,000	33	1,200	209.2	251,000
Shawano	1,710	203.5	348,000	20 *	1,740	200.0	348,000
N. E. District	**4,400**	**222.7**	**980,000**		**4,500**	**217.8**	**980,000**
Buffalo	1,120	337.5	378,000	15	1,120	337.5	378,000
Dunn	1,630	263.2	429,000	7	1,640	261.6	429,000
Eau Claire	1,060	210.4	223,000	37	1,080	206.5	223,000
Jackson	840	300.0	252,000	32	850	296.5	252,000
La Crosse	880	236.4	208,000	39	880	236.4	208,000
Monroe	1,770	214.7	380,000	14	1,780	213.5	380,000
Pepin	470	255.3	120,000	56 *	470	255.3	120,000
Pierce	1,340	222.4	298,000	24	1,360	219.1	298,000
St. Croix	1,690	210.7	356,000	19	1,700	209.4	356,000
Trempealeau	1,600	247.5	396,000	13	1,620	244.4	396,000
W. C. District	**12,400**	**245.2**	**3,040,000**		**12,500**	**243.2**	**3,040,000**
Adams	410	295.1	121,000	55	420	288.1	121,000
Green Lake	740	225.7	167,000	47	750	222.7	167,000
Juneau	820	242.7	199,000	40	830	239.8	199,000
Marquette	540	277.8	150,000	50	540	277.8	150,000
Portage	1,100	264.5	291,000	26	1,120	259.8	291,000
Waupaca	1,430	195.8	280,000	29	1,450	193.1	280,000
Waushara	720	258.3	186,000	43 *	740	251.4	186,000
Wood	1,240	198.4	246,000	35	1,250	196.8	246,000
C. District	**7,000**	**234.3**	**1,640,000**		**7,100**	**231.0**	**1,640,000**
Brown	1,330	176.7	235,000	36	1,340	175.4	235,000
Calumet	990	176.8	175,000	46	1,000	175.0	175,000
Door	980	158.2	155,000	49	990	156.6	155,000
Fond du Lac	1,840	204.3	376,000	17	1,850	203.2	376,000
Kewaunee	1,060	175.5	186,000	43 *	1,080	172.2	186,000
Manitowoc	1,610	180.1	290,000	27	1,630	177.9	290,000
Outagamie	1,660	178.9	297,000	25	1,670	177.8	297,000
Sheboygan	1,280	171.9	220,000	38	1,280	171.9	220,000
Winnebago	1,050	186.7	196,000	41	1,060	184.9	196,000
E. C. District	**11,800**	**180.5**	**2,130,000**		**11,900**	**179.0**	**2,130,000**

NUMBER OF FARMS, AVERAGE SIZE, AND LAND IN FARMS: By Counties, Wisconsin, 1989-90, Continued

County	1990				1989		
	Number of farms	Average size of farms	Land in farms	Rank	Number of farms	Average size of farms	Land in farms
	Number	Acres			Number	Acres	
Crawford	1,120	252.7	283,000	28	1,130	250.4	283,000
Grant	2,660	258.6	688,000	1	2,670	257.7	688,000
Iowa	1,470	284.4	418,000	9	1,470	284.4	418,000
Lafayette	1,420	284.5	404,000	10	1,440	280.6	404,000
Richland	1,260	246.0	310,000	23	1,270	244.1	310,000
Sauk	1,610	247.8	399,000	12	1,630	244.8	399,000
Vernon	2,360	181.4	428,000	8	2,390	179.1	428,000
S. W. District	**11,900**	**246.2**	**2,930,000**		**12,000**	**244.2**	**2,930,000**
Columbia	1,580	229.1	362,000	18	1,610	224.8	362,000
Dane	3,010	203.0	611,000	3	3,070	199.0	611,000
Dodge	2,270	196.9	447,000	5	2,310	193.5	447,000
Green	1,510	230.5	348,000	20 *	1,530	227.5	348,000
Jefferson	1,530	179.7	275,000	30	1,550	177.4	275,000
Rock	1,600	235.6	377,000	16	1,630	231.3	377,000
S. C. District	**11,500**	**210.4**	**2,420,000**		**11,700**	**206.8**	**2,420,000**
Kenosha	540	187.0	101,000	61	550	183.6	101,000
Milwaukee	130	107.7	14,000	70	140	100.0	14,000
Ozaukee	520	171.2	89,000	62	530	167.9	89,000
Racine	760	178.9	136,000	53	770	176.6	136,000
Walworth	1,030	239.8	247,000	34	1,050	235.2	247,000
Washington	1,040	155.8	162,000	48	1,060	152.8	162,000
Waukesha	880	160.2	141,000	52	900	156.7	141,000
S. E. District	**4,900**	**181.6**	**890,000**		**5,000**	**178.0**	**890,000**
State	**80,000**	**220.0**	**17,600,000**		**81,000**	**217.3**	**17,600,000**

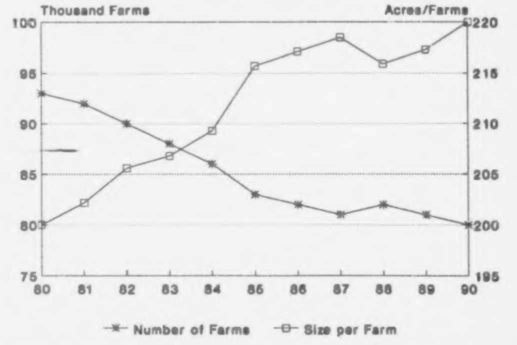
*Tied.

NUMBER OF FARMS AND LAND IN FARMS 1/ Wisconsin, 1983-90

Year	Number of farms	Land in farms	Average size of farm
	Number	Acres	Acres
1990 2/	**80,000**	**17,600,000**	**220.0**
1989	81,000	17,600,000	217.3
1988	82,000	17,700,000	215.9
1987	81,000	17,700,000	218.5
1986	82,000	17,800,000	217.1
1985	83,000	17,900,000	215.7
1984	86,000	18,000,000	209.3
1983	88,000	18,200,000	206.8

1/Farm defined as a place that sells $1,000 of agricultural products. 2/Preliminary.

WISCONSIN FARM NUMBERS & SIZE



VALUE OF LAND AND BUILDINGS AND AVERAGE GROSS RENT PER FARM: Wisconsin, 1983-91

Year	Value of land and buildings			Average gross rent per acre		
	Average per acre	Value per farm	Total	Farms rented for cash	Cropland rented for cash	Pasture rented for cash
	Dollars	Dollars	Million dollars	Dollars	Dollars	Dollars
1991	**853**	1/	1/	**58.30**	**52.30**	**23.30**
1990*	803	188,450	15,076	56.90	50.00	25.00
1989*	846	188,450	15,264	51.10	50.90	23.30
1988	826	178,295	14,620	50.30	45.40	21.40
1987	777	169,892	13,761	42.40	44.80	20.20
1986	836	181,576	14,889	43.70	48.80	22.00
1985	944	203,675	16,905	53.20	53.10	23.20
1984	1,104	231,118	19,876	56.14	58.26	25.73
1983	1,113	230,189	20,257	56.60	57.00	24.30

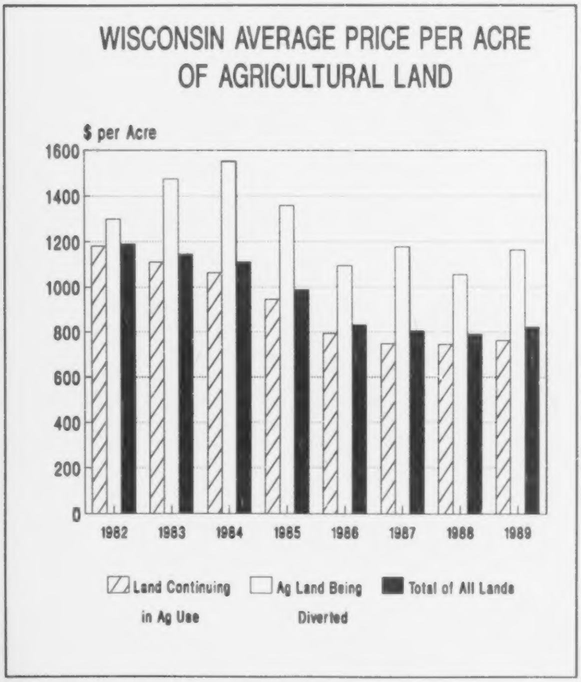
*Revised. 1/Not available at time of publication. Source: Agricultural Resources, April 1991, ERS, USDA.

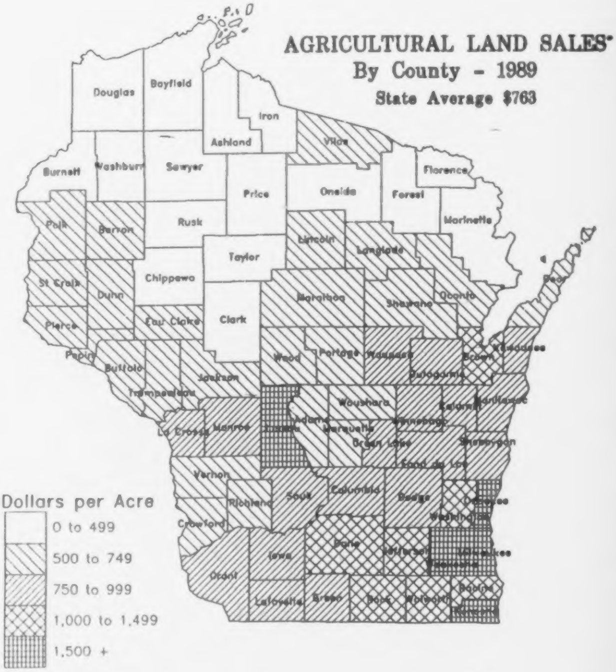
AGRICULTURAL LAND SALES: By Counties, Wisconsin, 1988-89

County	Number of transactions		Land continuing in agricultural use		Agricultural land being diverted to other uses		Total of all reported agricultural lands	
	1989	1988	1989	1988	1989	1988	1989	1988
	Number		Dollars per acre					
Barron	154	122	553	497	602	591	565	517
Bayfield	43	34	374	297	258	228	360	290
Burnett	46	52	417	412	460	407	422	411
Chippewa	111	102	479	491	549	463	489	486
Douglas	26	36	236	650	390	273	283	591
Polk	144	171	576	473	602	553	582	501
Rusk	67	45	369	388	331	402	364	390
Sawyer	28	21	314	397	361	298	322	374
Washburn	50	42	299	720	399	506	302	704
N. W. District	**669**	**625**	**468**	**487**	**540**	**512**	**481**	**492**
Ashland	40	25	235	195	175	195	215	195
Clark	221	185	498	515	439	328	494	514
Iron	5	10	137	326	-	155	137	323
Lincoln	67	76	570	458	545	319	568	438
Marathon	296	320	654	611	665	612	656	611
Oneida	28	21	373	297	751	429	389	310
Price	52	59	294	200	195	214	250	201
Taylor	100	110	418	409	282	522	403	418
Vilas	8	6	611	447	725	-	617	447
N. C. District	**817**	**812**	**536**	**519**	**499**	**494**	**531**	**517**
Florence	32	26	314	541	322	809	318	658
Forest	25	16	295	377	379	741	331	513
Langlade	83	67	679	466	434	356	669	452
Marinette	121	132	464	477	425	548	458	496
Oconto	107	123	619	575	686	525	626	569
Shawano	168	160	738	772	1,104	791	765	773
N. E. District	**536**	**524**	**643**	**617**	**616**	**606**	**640**	**616**
Buffalo	57	71	542	595	946	443	576	579
Dunn	112	130	583	518	873	658	598	532
Eau Claire	86	90	624	616	528	592	611	610
Jackson	72	78	556	536	445	694	549	542
La Crosse	59	63	839	800	1,633	3,290	947	1,156
Monroe	105	117	789	710	692	741	780	711
Pepin	39	26	512	512	536	-	512	512
Pierce	100	106	659	712	716	763	665	722
St. Croix	143	126	634	680	910	1,143	694	747
Trempealeau	105	84	538	589	623	631	546	597
W. C. District	**878**	**891**	**621**	**622**	**819**	**901**	**642**	**658**
Adams	50	40	693	642	518	517	684	631
Green Lake	47	36	857	947	688	707	836	927
Juneau	81	55	1,997	712	486	811	1,819	729
Marquette	90	88	523	608	661	816	571	662
Portage	114	96	718	751	851	760	732	753
Waupaca	158	165	755	662	963	753	802	688
Waushara	112	98	675	833	597	597	660	792
Wood	120	113	554	597	401	673	527	608
C. District	**772**	**691**	**816**	**711**	**674**	**718**	**791**	**713**
Brown	88	78	1,145	1,045	2,510	1,540	1,395	1,131
Calumet	46	56	759	820	881	1,458	766	848
Door	68	60	667	728	1,119	1,349	814	783
Fond du Lac	139	106	841	857	1,372	1,271	870	890
Kewaunee	43	50	876	817	1,069	547	904	817
Manitowoc	118	107	817	845	913	846	825	845
Outagamie	101	100	768	976	4,379	1,425	1,464	1,032
Sheboygan	92	77	832	817	866	971	837	835
Winnebago	79	85	790	856	1,290	1,082	943	911
E. C. District	**774**	**719**	**843**	**865**	**1,860**	**1,199**	**992**	**901**

AGRICULTURAL LAND SALES: By Counties, Wisconsin, 1988-89, Continued

County	Number of transactions		Land continuing in agricultural use		Agricultural land being diverted to other uses		Total of all reported agricultural lands	
	1989	1988	1989	1988	1989	1988	1989	1988
	Number		Dollars per acre					
Crawford	105	78	539	631	917	537	608	603
Grant	140	176	768	743	796	707	772	741
Iowa	90	102	812	631	733	839	788	658
Lafayette	83	75	818	786	474	1,079	792	792
Richland	125	126	601	590	641	611	612	595
Sauk	133	142	848	760	1,277	591	898	731
Vernon	138	172	683	694	845	740	712	701
S. W. District	**814**	**871**	**741**	**711**	**790**	**686**	**750**	**708**
Columbia	100	100	829	869	1,228	830	852	863
Dane	157	175	1,048	1,061	2,183	1,944	1,180	1,331
Dodge	139	122	913	881	1,045	1,285	929	920
Green	83	85	881	801	1,281	869	898	809
Jefferson	155	97	1,099	1,057	1,218	1,239	1,112	1,104
Rock	101	100	1,142	934	1,338	1,197	1,164	962
S. C. District	**735**	**679**	**989**	**926**	**1,448**	**1,447**	**1,033**	**1,017**
Kenosha	42	41	1,974	1,742	3,001	2,717	2,248	1,837
Milwaukee	8	6	4,456	3,943	-	2,679	4,456	3,114
Ozaukee	53	50	1,581	1,468	2,354	3,385	1,886	1,889
Racine	52	73	1,462	1,437	3,405	2,501	1,756	1,710
Walworth	109	76	1,323	1,340	4,727	1,207	1,528	1,320
Washington	76	88	1,493	1,893	2,576	2,612	1,932	1,961
Waukesha	77	96	2,590	2,144	4,139	3,545	3,600	2,892
S. E. District	**417**	**430**	**1,576**	**1,625**	**3,376**	**2,851**	**2,047**	**1,905**
State	**6,412**	**6,242**	**763**	**744**	**1,163**	**1,053**	**821**	**789**




AGRICULTURAL LAND SALES*
By County - 1989
State Average $763
Dollars per Acre
0 to 499
500 to 749
750 to 999
1,000 to 1,499
1,500 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Marinette
Polk
Barron
Rusk
Lincoln
Langlade
Taylor
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Door
Pierce
Eau Claire
Clark
Kewaunee
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Outagamie
Jackson
Trempealeau
Waushara
Calumet
Manitowoc
La Crosse
Monroe
Juneau
Adams
Marquette
Winnebago
Green Lake
Sheboygan
Fond du Lac
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Grant
Iowa
Dane
Jefferson
Milwaukee
Waukesha
Lafayette
Green
Rock
Walworth
Racine
Kenosha

Crops & Vegetables

The 1990 planting season was delayed due to cool, wet weather. Summer weather finally arrived in July, allowing crops to slowly mature. The threat of an early frost was a big concern during August and early September. However, most crops were able to reach full maturity by the time the first killing frost occurred during the second week of October.

The low moisture reserves of the 1988 and 1989 crop seasons started to be replenished during the past year. Rains were more frequent and did cause some problems when it came time for planting, tillage and harvesting. Rainfall totals were above normal for all of the growing season except for the first three weeks of April and the first week of May. Statewide rainfall for the 1990 growing season (April 1 through September 30) totaled 26.0 inches, 4.0 inches above normal and 8.9 inches above total rainfall received in 1989. The west central district received the most rainfall, being 7.3 inches above the 30-year normal and 11.9 inches above 1989.

Cool weather was experienced throughout most of the spring. Until the week ending July 1, temperatures averaged below normal except for the weeks ending April 29 and June 17. A cold spell in May resulted in scattered frost and a late-spring snowfall which did varying amounts of damage to fruit crops and lodged some winter wheat and alfalfa fields. Wisconsin experienced an extended summer as temperatures reached into the 70s in October and November. Temperatures for the June 1 to September 30 period averaged slightly above normal at 66 degrees. Growing degree day accumulations for the season (April 1 to October 7) ranged from 91 percent of normal in the northwest district, to 109 percent of normal in the east central district.

The planting season for all crops was delayed due to damp cool weather. The percentage of oats acreage planted surpassed the 5-year average on April 29 and planting continued strong until May 13, when most of the crop was seeded. Corn planting was also delayed. Most of the corn crop was in the ground by June 10, but was very slow to emerge. Soybean planting was behind normal for the entire planting season. The delayed plantings, coupled with the cooler weather resulted in slow emergence of most row crops. The rainy weather created poor drying conditions for first crop alfalfa. However, progress on second crop was near the 5-year average. There was an abundance of alfalfa during 1990; many farmers filled their silos and barns. Despite the better weather conditions starting in July, crop development of both corn and soybeans was behind normal until late September. Most crops were able to reach full maturity by the first killing frost.

Photo courtesy of Agri-View

Despite cooler temperatures and wet weather, a record breaking year for corn and soybean yields occurred in 1990. The corn for grain crop ended up producing yields that tied the record level 118 bushels per acre which was set in 1986 and 1987. An estimated 9.38 million tons of corn silage were produced, with a record-tying yield of 14 tons per acre. Record yield and production levels for soybeans were also reached in 1990. The average yield of 41 bushels per acre was 3 bushels above the previous record, set in 1987. The higher yield and a 5 percent increase in harvested acreage resulted in a record production level.

Total dry hay production reached 9.12 million tons; alfalfa and alfalfa mixtures accounted for 92 percent of the total. All wheat production in the state totaled 10.1 million bushels, an 8 percent increase over last year's level. Winter wheat yields averaged 53 bushels per acre on 185,000 acres. Wisconsin farmers produced 47.6 million bushels of oats, up 2 percent from 1989. This level ranks Wisconsin third, behind South Dakota and Minnesota.

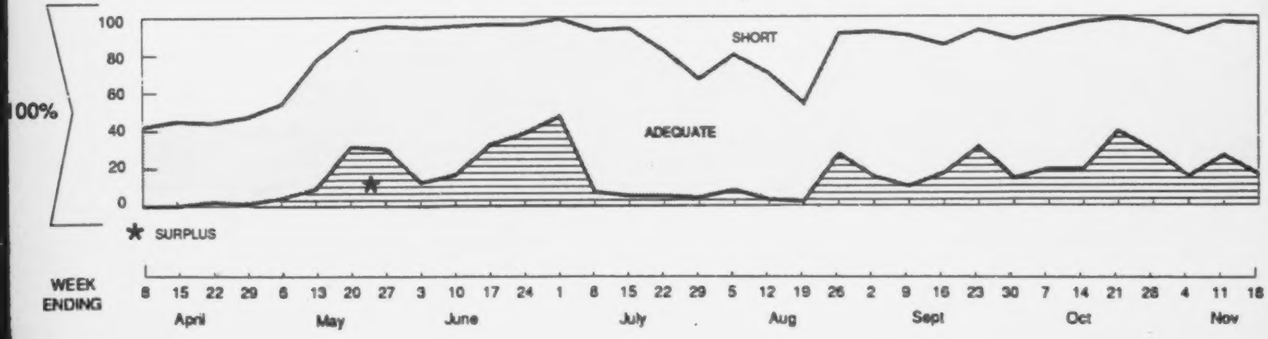
Potato production at 23.1 million hundredweight was virtually the same as a year earlier. For the second year in a row, tobacco acreage increased. The 1990 production level for all tobacco reached 13.7 million pounds, up 22 percent from 1989. The 1990 sweet corn crop produced record high yields of 5.73 tons per acre, 4 percent above the previous record set in 1987. Production of snap beans showed a 9 percent decline, while green pea production was up 12 percent from 1989. Apple production was down from last year due in part to the frost and snow during pollination. Cherry production was also down but cranberry production was up slightly.

CROP SUMMARY: All Crops, Wisconsin, 1989-90

Crop	1990					1989				
	Acres harvested	Yield per acre	Unit	Production		Acres harvested	Yield per acre	Unit	Production	
				Total	Value				Total	Value
	Acres			1,000	1,000 dollars	Acres			1,000	1,000 dollars
Field crops										
Hay, all (dry only)	3,400,000	2.68	Ton	9,120	506,160	3,600,000	2.24	Ton	8,080	597,920
Alfalfa (dry only)	3,000,000	2.80	Ton	8,400	474,080	3,100,000	2.30	Ton	7,130	543,280
All other hay 1/ (dry only)	400,000	1.80	Ton	720	32,080	500,000	1.90	Ton	950	54,640
Oats	710,000	67.0	Bu.	47,570	52,327	710,000	66.0	Bu.	46,860	62,792
Corn for grain	3,000,000	118.0	Bu.	354,000	778,800	2,800,000	111.0	Bu.	310,800	717,948
Corn for silage	670,000	14.0	Ton	9,380	168,840	764,000	13.0	Ton	9,932	198,640
Soybeans for beans	430,000	41.0	Bu.	17,630	98,728	410,000	37.0	Bu.	15,170	81,918
Wheat, all	192,000	52.5	Bu.	10,085	26,221	180,000	51.8	Bu.	9,320	32,620
Winter	185,000	53.0	Bu.	9,805	25,493	170,000	53.0	Bu.	9,010	31,535
Spring	7,000	40.0	Bu.	280	728	10,000	31.0	Bu.	310	1,085
Barley	50,000	54.0	Bu.	2,700	4,725	65,000	57.0	Bu.	3,705	7,781
Rye	15,000	31.0	Bu.	465	1,023	12,000	30.0	Bu.	360	774
Dry edible beans 2/	10,900	1,700	Lb.	185	5,550	n.a.	n.a.	Lb.	n.a.	n.a.
Potatoes, all	65,000	355	Cwt.	23,075	125,759	68,000	340	Cwt.	23,120	166,464
Tobacco, all	6,900	1,989	Lb.	13,723	20,585	5,500	2,045	Lb.	11,248	16,872
Type 54	4,100	2,350	Lb.	9,635	14,453	3,500	2,185	Lb.	7,648	11,472
Type 55	2,800	1,460	Lb.	4,088	6,132	2,000	1,800	Lb.	3,600	5,400
Fruits & Specialties										
Apples	7,200	6,670	Lb.	48,000	9,460	7,000	9,290	Lb.	65,000	9,641
Tart cherries 3/	2,900	1,660	Lb.	4,800	334	2,900	2,620	Lb.	7,600	522
Cranberries 3/	9,400	140.4	Bbl.	1,320	56,100	9,200	141.3	Bbl.	1,300	55,250
Strawberries	1,100	50	Cwt.	55	3,465	1,100	55	Cwt.	61	4,026
Peppermint, oil	8,900	39	Lb.	347	5,552	9,000	43	Lb.	387	6,579
Spearmint, oil	7,400	41	Lb.	303	5,909	5,900	44	Lb.	260	4,160
Vegetable, fresh										
Carrots 4/	4,000	445	Cwt.	1,780	11,580	3,300	475	Cwt.	1,568	8,523
Onions	1,500	420	Cwt.	630	2,835	1,300	375	Cwt.	488	3,273
Vegetables, processing										
Sweet corn	141,200	5.73	Ton	809	53,318	152,000	5.33	Ton	810	51,040
Green peas	88,500	1.65	Ton	146	34,171	85,000	1.53	Ton	130	29,131
Snap beans	78,700	3.27	Ton	257	42,977	82,500	3.41	Ton	281	42,762
Cucumbers	7,400	7.35	Ton	54	10,171	6,700	7.59	Ton	51	9,356

1/Includes clover, timothy, and other types. 2/Excludes beans grown for garden seed. 3/1989 marketing year average price used in computing value. 4/Includes portion processed. N.a. = not available.

SOIL MOISTURE RATINGS, 1990



MONTHLY AND ANNUAL PRECIPITATION: By Selected Stations and Districts, Wisconsin, 1990

Station	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
													Total	Change from normal
	Precipitation (inches)													
Northwest														
Amery	0.29	0.73	3.52	5.28	3.40	8.18	4.30	8.00	2.13	1.97	0.73	0.65	39.18	9.50
Spooner	0.55	0.59	1.69	3.15	2.69	6.20	2.19	4.23	4.19	3.85	0.59	0.43	30.35	0.67
Superior 1/	0.31	0.36	2.98	3.63	1.85	3.51	-	-	6.36	3.42	0.57	0.57	-	-
District	0.52	0.69	3.00	3.28	2.74	5.95	3.14	5.19	4.84	3.42	0.70	0.69	34.16	4.48
Normal	0.99	0.77	1.65	0.84	3.65	4.39	4.20	4.58	3.54	2.23	1.67	1.17	29.68	
North Central														
Medford	0.27	0.49	2.39	2.91	5.39	7.32	3.04	7.63	5.54	2.65	1.26	0.72	39.61	7.72
Rhinelander 1/	0.37	0.32	-	3.10	4.97	7.06	4.69	7.91	6.43	3.72	1.35	0.77	-	-
Wausau	0.95	0.63	3.84	2.72	4.54	7.49	3.79	5.10	4.11	3.29	1.21	1.99	39.66	7.77
District	0.70	0.70	2.46	2.80	3.86	5.68	3.40	5.53	5.85	3.82	1.07	0.92	36.79	4.90
Normal	1.08	0.90	1.72	2.48	3.64	4.16	4.04	4.56	3.80	2.30	1.89	1.32	31.89	
Northeast														
Antigo	0.44	0.49	2.98	1.70	3.49	8.71	2.79	7.09	4.22	1.94	1.12	1.52	36.49	5.46
Marinette 1/	-	-	1.79	1.42	4.30	10.49	-	-	-	2.03	1.75	2.55	-	-
Shawano	0.68	0.54	2.35	1.40	5.61	5.26	2.83	4.57	5.29	1.99	1.05	1.64	33.21	2.18
District	0.93	0.63	2.68	1.37	4.91	7.31	3.00	4.30	4.79	2.30	1.25	1.77	35.24	4.21
Normal	1.19	1.04	1.91	2.82	3.50	3.77	3.62	3.91	3.67	2.24	1.89	1.47	31.03	
West Central														
Blair	0.61	0.54	2.22	5.67	3.40	9.52	4.14	6.61	1.97	2.22	0.64	2.13	39.67	8.17
La Crosse	0.79	0.68	3.23	2.61	3.74	8.07	4.03	8.02	1.82	1.43	0.74	2.91	38.07	6.57
River Falls	0.27	0.46	2.79	4.68	4.82	8.88	4.62	1.94	1.98	1.84	0.54	0.58	33.40	1.90
District	0.67	0.67	2.88	4.49	4.48	8.05	4.30	6.17	1.69	2.09	0.68	1.67	37.84	6.34
Normal	0.91	0.80	1.91	2.90	3.88	4.42	4.03	4.11	3.58	2.25	1.61	1.10	31.50	
Central														
Hancock	0.99	0.57	2.91	2.03	4.83	8.08	3.93	6.43	2.91	2.74	1.02	2.13	38.57	7.60
Marshfield	0.81	0.59	4.18	3.39	3.90	5.51	2.59	6.93	2.90	2.57	1.04	1.93	36.34	5.37
Montello	1.57	0.74	2.97	3.29	5.76	5.86	1.57	5.32	3.57	2.11	1.90	1.82	36.48	5.51
District	1.14	0.57	3.31	2.44	5.02	6.99	2.96	5.89	3.01	2.40	1.17	2.02	36.92	5.95
Normal	1.00	1.02	2.03	2.99	3.77	3.67	3.57	3.77	3.71	2.36	1.77	1.31	30.97	
East Central														
Green Bay	0.64	0.58	3.25	1.28	3.99	10.29	2.93	2.51	5.13	2.34	1.61	2.10	36.65	7.12
Oshkosh	0.70	0.71	1.89	1.79	4.34	7.68	2.02	5.57	4.13	2.22	1.27	1.35	33.67	4.14
Sheboygan	2.54	0.94	1.80	1.95	4.12	3.59	2.40	6.65	4.25	2.61	1.84	1.81	34.50	4.97
District	1.41	0.73	2.93	1.63	4.18	7.62	2.35	4.29	4.66	2.71	2.04	1.90	36.45	6.92
Normal	1.23	1.12	2.03	2.88	3.13	3.33	3.38	3.33	3.23	2.34	1.90	1.63	29.53	
Southwest														
Darlington	1.32	0.96	4.03	2.35	3.60	11.84	3.19	9.26	0.53	2.41	2.21	2.97	44.67	12.76
Hillsboro	1.29	0.57	3.49	2.63	4.49	10.30	1.35	6.98	3.21	2.04	1.25	2.41	40.01	8.10
Lancaster	0.88	0.38	3.37	3.67	4.83	5.48	2.02	5.87	0.68	2.02	1.44	2.57	33.21	1.30
District	1.13	0.58	2.95	2.89	4.42	8.35	2.43	6.68	1.15	2.27	1.50	2.12	36.47	4.56
Normal	0.96	1.01	2.06	3.32	3.62	4.13	3.98	3.98	3.50	2.27	1.80	1.28	31.91	
South Central														
Beloit 1/	1.78	1.28	-	3.10	4.18	7.21	5.13	-	1.14	3.10	4.07	2.33	-	-
Madison	1.60	0.99	4.18	1.90	5.35	4.88	2.61	6.03	1.64	2.25	1.65	3.46	36.54	4.70
Portage	1.31	0.75	3.27	3.03	4.58	8.58	1.99	4.23	2.63	2.51	1.74	2.27	36.89	5.05
District	1.57	1.07	3.60	2.55	4.87	5.81	2.74	5.08	1.78	2.54	2.04	2.55	36.20	4.36
Normal	1.16	1.03	2.14	3.33	3.21	3.93	3.93	3.84	3.44	2.37	1.92	1.54	31.84	
Southeast														
Kenosha	2.13	1.84	2.59	1.61	7.56	4.33	3.54	4.83	2.26	3.95	3.80	2.37	40.81	9.10
Milwaukee	2.57	1.90	2.75	2.67	7.56	4.97	3.02	4.68	1.89	2.65	3.54	2.66	40.86	9.15
West Bend 1/	1.78	0.90	2.06	2.15	4.55	4.35	1.61	-	-	2.62	2.81	1.30	-	-
Distict	2.13	1.47	2.62	2.17	6.19	4.78	2.73	4.25	2.38	2.98	2.99	2.47	37.16	5.45
Normal	1.42	1.09	2.27	3.30	2.95	3.79	3.85	3.58	3.21	2.40	2.06	1.79	31.71	
State	0.98	0.73	2.91	2.76	4.25	6.72	3.11	5.36	3.68	2.83	1.29	1.59	36.22	5.15
Normal	1.07	0.94	1.90	2.57	3.55	4.03	3.89	4.09	3.57	2.29	1.81	1.35	31.07	

1/Data incomplete. Source: Climatological Data, U.S. Department of Commerce, NOAA, Environmental Data Service.

AVERAGE MONTHLY AND ANNUAL TEMPERATURE: By Selected Stations & Districts, Wisconsin, 1990

Station	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
													Average	Change from normal
	Temperature (degrees F.)													
Northwest														
Amery	22.8	17.4	32.8	44.7	53.3	66.8	69.0	68.3	61.2	45.4	35.2	15.7	44.4	3.0
Spooner	23.4	18.5	33.8	45.4	53.5	66.2	68.8	66.0	60.4	46.3	36.4	16.2	-	-
Superior 1/	22.0	18.0	28.4	39.5	46.4	61.5	-	-	60.0	44.4	34.7	17.4	31.0	-10.4
District	22.0	17.5	31.5	44.1	51.7	65.1	67.4	67.1	59.7	44.6	35.1	16.0	43.5	2.1
Normal	9.1	14.7	26.3	42.3	54.3	63.3	68.5	66.3	57.2	47.0	31.1	16.8	41.4	
North Central														
Medford	20.3	14.5	30.4	43.8	51.2	63.5	67.3	66.0	59.3	43.2	34.3	14.9	42.4	1.7
Rhinelander 1/	21.8	17.1	-	45.1	51.1	62.3	65.8	64.8	58.3	43.5	34.9	16.3	-	-
Wausau	24.1	19.9	33.2	46.6	52.9	64.8	67.8	67.0	60.4	45.0	37.3	17.1	44.7	2.6
District	20.9	16.3	30.4	43.8	50.2	62.5	65.4	64.7	57.5	42.9	34.4	15.6	42.1	1.4
Normal	9.9	14.3	25.3	41.1	53.5	62.3	67.0	64.8	56.0	46.2	30.7	16.9	40.7	
Northeast														
Antigo	21.0	15.6	29.0	42.9	48.8	61.5	64.5	63.5	56.8	41.7	34.0	15.9	41.3	-3.4
Marinette 1/	25.2	22.5	33.2	46.5	51.8	65.3	-	-	-	47.4	40.3	23.4	-	-
Shawano	24.1	18.8	32.9	47.6	51.9	65.1	68.1	66.8	60.6	45.0	37.2	18.3	44.7	2.5
District	22.9	18.4	30.9	45.4	50.5	63.0	65.5	64.5	58.0	43.7	36.1	18.3	43.1	0.9
Normal	13.0	16.7	27.1	42.1	54.2	63.3	68.0	65.8	57.2	47.2	32.5	19.4	42.2	
West Central														
Blair	24.4	20.0	34.7	45.7	52.9	65.9	69.7	68.2	61.7	45.3	37.4	15.8	45.1	0.7
La Crosse	28.1	25.4	38.4	49.3	56.6	69.5	73.2	72.1	65.5	49.6	41.4	19.0	49.0	4.5
River Falls	26.8	23.2	36.8	47.8	55.8	69.1	71.2	70.4	64.3	48.7	38.6	17.6	47.5	3.0
District	26.2	22.6	35.9	47.6	54.7	67.6	70.3	69.2	62.8	47.1	38.5	17.5	46.7	2.2
Normal	12.2	18.0	29.4	45.7	57.9	66.9	71.4	69.1	60.0	49.5	33.7	19.9	44.5	
Central														
Hancock	28.0	24.1	36.3	49.5	54.8	68.1	70.5	69.1	63.7	48.8	40.4	19.1	47.7	3.7
Marshfield	24.6	21.3	34.1	47.3	54.1	66.9	69.4	68.5	62.2	47.3	38.1	18.7	46.0	2.0
Montello	27.5	23.1	36.4	47.5	53.0	66.4	70.1	68.0	63.1	45.9	39.2	19.5	46.6	2.6
District	26.6	22.8	35.1	47.8	53.3	66.4	69.7	68.3	62.6	46.5	39.0	19.0	46.4	2.4
Normal	13.5	18.3	29.0	44.8	56.7	65.6	70.0	67.9	59.3	48.9	33.9	20.4	44.0	
East Central														
Green Bay	26.5	22.3	34.0	47.6	52.5	66.0	68.6	67.6	61.8	47.2	40.0	21.1	46.3	1.4
Oshkosh	27.4	22.9	33.6	47.3	52.8	66.7	70.1	68.7	63.5	47.2	39.7	21.5	46.8	2.0
Sheboygan	31.7	29.3	37.7	46.0	52.4	64.5	69.6	69.9	66.0	50.7	42.6	26.7	48.9	4.1
District	28.1	24.3	34.5	46.1	51.8	64.1	68.2	67.7	62.8	48.0	40.4	23.6	46.6	1.8
Normal	16.7	20.5	30.1	43.7	54.7	64.2	69.7	68.4	60.4	49.9	36.1	23.4	44.8	
Southwest														
Darlington	28.7	26.5	38.0	47.7	54.5	67.9	70.9	70.2	63.6	47.9	40.9	19.1	48.0	1.8
Hillsboro	26.8	22.5	36.5	46.4	52.6	66.6	69.6	68.9	61.5	45.2	38.6	16.7	46.0	-0.2
Lancaster	27.1	25.7	38.3	46.7	54.5	67.2	70.2	69.6	63.4	47.6	40.6	19.6	47.5	1.4
District	27.9	25.5	37.5	47.7	54.6	67.7	71.0	70.2	63.5	48.1	40.5	19.9	47.8	1.7
Normal	15.6	20.9	31.8	46.9	58.6	67.6	71.9	69.9	61.5	50.8	35.8	22.5	46.2	
South Central														
Beloit 1/	30.3	27.3	-	48.5	55.0	68.7	71.2	-	65.0	49.4	42.5	24.2	-	-
Madison	28.6	25.8	37.7	48.5	53.6	67.6	70.6	69.9	63.7	48.3	41.0	21.4	48.1	1.5
Portage	28.3	24.7	37.2	48.5	53.3	67.2	70.7	69.3	63.3	47.1	40.3	20.7	47.6	1.0
District	28.3	25.1	37.1	47.8	53.7	67.3	70.1	69.1	63.4	47.8	40.5	21.5	47.6	1.0
Normal	16.8	21.6	32.1	47.0	58.5	67.6	71.9	69.9	61.9	51.2	36.6	23.5	46.6	
Southeast														
Kenosha	32.3	29.8	38.1	46.5	51.6	64.9	68.4	70.1	65.2	50.9	44.6	27.8	49.2	2.4
Milwaukee	31.1	28.9	38.8	49.3	52.8	67.6	70.5	71.2	66.0	51.5	44.5	26.9	49.9	3.2
West Bend 1/	28.7	26.6	36.5	48.0	52.3	66.6	69.7	-	-	48.7	41.3	24.6	-	-
Distict	29.8	27.1	37.4	47.6	52.4	66.0	69.8	69.7	64.2	49.2	42.2	25.2	48.4	1.6
Normal	18.6	23.0	32.6	45.9	56.8	66.4	71.4	70.0	62.4	51.5	37.6	25.0	46.8	
State	24.9	21.0	33.8	46.0	52.3	65.3	68.2	67.4	61.0	45.8	37.7	18.6	45.2	1.7
Normal	12.9	17.7	28.5	43.9	55.8	64.8	69.6	67.5	58.9	48.6	33.5	19.9	43.5	

1/Data incomplete. Source: Climatological Data, U.S. Department of Commerce, NOAA, Environmental Data Service.

INDEX OF CROP PRODUCTION: By Major Groups and Selected Crops, Wisconsin, 1981-90 1/

(1977=100)

Crop group	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981
Main field crops	**86**	81	56	87	97	98	99	87	107	103
Hay (dry only)	**76**	67	41	76	91	94	106	102	106	89
Oats	**63**	62	26	57	69	68	70	59	65	69
Corn, grain	**112**	98	41	104	115	113	109	70	114	119
Corn, silage	**80**	84	85	87	90	96	88	88	108	108
Other field crops	**165**	159	119	137	137	147	148	128	142	121
Soybeans	**262**	226	133	181	171	143	208	206	203	184
Potatoes	**128**	128	111	123	112	134	118	105	125	101
Tobacco	**56**	46	28	34	49	74	67	68	83	108
Vegetables	**126**	125	91	119	107	114	109	96	98	100
Green peas	**100**	89	37	79	78	110	88	75	101	86
Sweet corn	**136**	136	102	129	110	112	107	95	94	100
Snap beans	**139**	152	113	150	133	134	127	114	103	115
Fruit	**121**	133	137	142	128	127	122	116	132	109
Apples	**86**	116	80	116	104	111	95	104	107	105
Cherries	**39**	62	73	115	30	70	98	37	82	79
Cranberries	**155**	152	183	163	156	144	141	133	152	113
Miscellaneous	**188**	188	55	93	107	98	145	142	102	99
Total	**90**	85	59	89	98	101	101	89	108	104

1/Includes revisions.

FIELD CROPS: Production, Farm Use, Sales, and Value, Wisconsin, 1983-90 1/ 2/

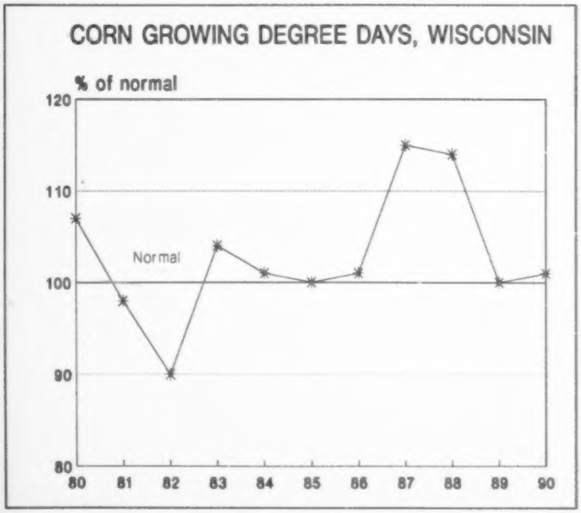
Crop year	Production	Used on farms where produced	Sold	Sales as percent of production	Marketing year average 3/	Value	
						Production	Sales
	1,000 bushels			Percent	Dollars/bushel	1,000 dollars	
				CORN FOR GRAIN			
1990	**354,000**	**205,320**	**148,680**	**42.0**	**2.20**	**778,800**	**327,096**
1989	310,800	174,048	136,752	44.0	2.31	717,948	315,897
1988	130,650	73,164	57,486	44.0	2.55	333,158	146,589
1987	330,400	208,152	122,248	37.0	2.01	664,104	245,718
1986	365,800	223,138	142,662	39.0	1.46	534,068	208,287
1985	358,450	-	-	-	2.19	785,006	-
1984	344,500	189,475	155,025	45.0	2.58	888,810	399,965
1983	223,100	160,632	62,468	28.0	3.15	702,765	196,774
				SOYBEANS			
1990	**17,630**	**1,939**	**15,691**	**89.0**	**5.60**	**98,728**	**87,870**
1989	15,170	1,669	13,501	89.0	5.40	81,918	72,905
1988	8,970	807	8,163	91.0	7.21	64,674	58,855
1987	12,160	1,216	10,944	90.0	5.71	69,434	62,490
1986	11,520	196	11,324	98.3	4.57	52,646	51,751
1985	9,600	-	-	-	4.85	46,560	-
1984	13,950	209	13,741	98.5	5.70	79,515	78,324
1983	13,825	180	13,645	98.7	7.60	105,070	103,702
				WHEAT			
1990	**10,085**	**1,109**	**8,976**	**89.0**	**2.60**	**26,221**	**23,338**
1989	9,320	746	8,574	92.0	3.50	32,620	30,009
1988	5,152	654	4,498	87.3	3.28	16,899	14,753
1987	4,164	125	4,039	97.0	2.33	9,702	9,411
1986	8,040	322	7,718	96.0	2.34	18,813	18,060
1985	8,800	-	-	-	2.80	24,640	-
1984	9,640	357	9,283	96.3	3.25	31,330	30,170
1983	5,812	232	5,580	96.0	3.50	20,343	19,530

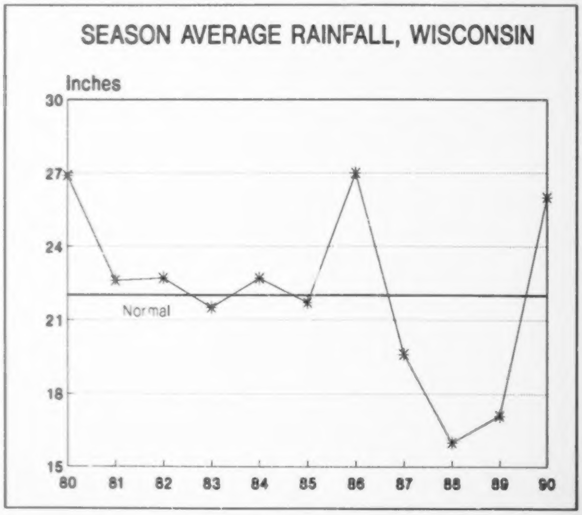
1/Includes revisions. 2/Disposition estimates were not made in 1985. 3/Marketing year for corn and soybeans, September-August; wheat, June-May.

FIELD CROPS: Production, Farm Use, Sales, and Value, Wisconsin, 1983-90 1/ 2/, Continued

Crop year	Production	Used on farms where produced	Sold	Sales as percent of production	Marketing year average 3/	Value	
						Production	Sales
	1,000 bushels			Percent	Dollars/bushel	1,000 dollars	
				OATS			
1990	**47,570**	**35,677**	**11,893**	**25.0**	**1.10**	**52,327**	**13,082**
1989	46,860	29,053	17,807	38.0	1.34	62,792	23,861
1988	19,720	12,384	7,336	37.2	2.44	48,117	17,900
1987	43,200	31,536	11,664	27.0	1.50	64,800	17,496
1986	52,700	38,471	14,229	27.0	1.13	59,551	16,079
1985	51,480	-	-	-	1.31	67,439	-
1984	53,320	44,256	9,064	17.0	1.64	87,445	14,865
1983	45,050	38,292	6,758	15.0	1.74	78,387	11,759
				RYE			
1990	**465**	**223**	**242**	**52.0**	**2.20**	**1,023**	**532**
1989	360	162	198	55.0	2.15	774	426
1988	120	42	78	65.0	2.60	312	203
1987	150	45	105	70.0	1.70	255	179
1986	168	64	104	62.0	1.55	260	161
1985	234	-	-	-	2.25	527	-
1984	216	76	140	65.0	2.20	475	308
1983	300	120	180	60.0	2.20	660	396
				ALL HAY (DRY ONLY) 4/			
1990	**9,120**	**8,281**	**839**	**9.2**	**55.50**	**506,160**	**46,564**
1989	8,080	7,426	654	8.1	74.00	597,920	48,396
1988	4,952	4,383	569	11.5	107.00	529,864	60,883
1987	9,140	8,409	731	8.0	53.50	488,990	39,109
1986	10,950	10,183	767	7.0	53.00	580,350	40,651
1985	11,240	-	-	-	73.50	826,140	-
1984	12,770	11,646	1,124	8.8	64.00	817,280	71,936
1983	12,200	11,346	854	7.0	77.00	939,400	65,758
				BARLEY			
1990	**2,700**	**2,484**	**216**	**8.0**	**1.75**	**4,725**	**378**
1989	3,705	3,149	556	15.0	2.10	7,781	1,168
1988	2,550	2,007	543	21.3	2.32	5,916	1,260
1987	4,752	4,134	618	13.0	1.55	7,366	958
1986	4,845	4,312	533	11.0	1.24	6,008	661

1/Includes revisions. 2/Disposition estimates were not made in 1985. 3/Marketing year for oats, rye, hay and barley, June-May. 4/Production, farm use, and sales in thousand tons; marketing year average price in dollars per ton.


CORN GROWING DEGREE DAYS, WISCONSIN


SEASON AVERAGE RAINFALL, WISCONSIN

GRAIN STOCKS: Specified Crops By Storage Position
Wisconsin, December 1, March 1, 1982-91

Crop year	December 1			March 1		
	On farms	Off farms 1/	Total	On farms	Off farms 1/	Total
			1,000 bushels			
			CORN			
1991	**290,000**	**52,348**	**342,348**	**205,000**	**43,534**	**248,534**
1990	270,000	61,615	331,615	190,000	52,441	242,441
1989	175,000	59,881	234,881	125,000	52,469	177,469
1988	300,000	94,750	394,750	220,000	81,722	301,722
1987	325,000	87,664	412,664	238,000	92,100	330,100
1986 2/	265,253	46,468	311,721	193,563	43,537	237,100
1985 2/	220,480	36,725	257,205	165,360	26,014	191,374
1984 2/	196,328	44,412	240,740	129,398	31,297	160,695
1983 2/	325,620	55,617	381,237	242,406	45,927	288,333
1982 2/	272,160	43,975	316,135	219,240	38,379	257,619
			SOYBEANS			
1991	**7,000**	**6,158**	**13,158**	**4,500**	**3,358**	**7,858**
1990	6,800	4,929	11,729	5,100	3,345	8,445
1989	3,400	4,823	8,223	2,800	2,108	4,908
1988	6,000	7,220	13,220	4,600	4,783	9,383
1987	7,000	4,725	11,725	4,000	4,677	8,677
1986 2/	5,280	2,511	7,791	4,608	2,194	6,802
1985 2/	7,673	2,105	9,778	6,138	1,346	7,484
1984 2/	6,083	2,006	8,089	4,148	1,593	5,741
1983 2/	7,775	1,692	9,467	6,820	1,401	8,221
1982 2/	7,425	1,704	9,129	6,559	1,478	8,037
			WHEAT			
1991	*	**17,360**	*	*	**18,593**	*
1990	*	12,353	*	*	5,031	*
1989	*	12,377	*	*	12,534	*
1988	*	23,410	*	*	24,407	*
1987	*	26,149	*	*	27,584	*
1986 2/	1,144	20,942	22,086	*	27,098	*
1985 2/	1,350	12,342	13,692	771	13,001	13,772
1984 2/	872	10,703	11,575	407	16,644	17,051
1983 2/	1,231	14,275	15,506	783	15,668	16,451
1982 2/	828	17,153	17,981	717	19,352	20,069
			OATS			
1991	**35,500**	**16,432**	**51,932**	**23,000**	**15,338**	**38,338**
1990	3/	3/	3/	23,200	4,422	27,622
1989 2/	3/	3/	3/	3/	3/	3/
1988 2/	3/	3/	3/	3/	3/	3/
1987 2/	3/	3/	3/	3/	3/	3/
1986 2/	35,521	2,462	37,983	3/	3/	3/
1985 2/	37,857	2,510	40,367	27,193	1,743	28,936
1984 2/	36,040	1,949	37,989	22,525	1,297	23,822
1983 2/	36,968	1,382	38,350	23,659	1,405	25,064
1982 2/	41,559	1,779	43,338	28,407	1,053	29,460
			BARLEY			
1991	*	**12,735**	*	*	**15,543**	*
1990	*	14,345	*	*	18,710	*
1989	*	15,837	*	*	15,065	*
1988 2/	3/	3/	3/	3/	3/	3/
1987 2/	3/	3/	3/	3/	3/	3/
1986 2/	2,306	24,019	26,325	3/	3/	3/
1985 2/	1,537	15,827	17,364	1,193	16,380	17,573
1984 2/	1,958	16,739	18,697	1,037	14,475	15,512
1983 2/	2,150	11,314	13,464	1,720	11,676	13,396
1982 2/	1,235	11,699	12,934	1,140	12,805	13,945

1/Includes stocks at mills, elevators, warehouses, terminals, processors. 2/Reference dates January 1 and April 1. 3/Quarterly on-farm and off-farm stocks are discontinued. *USDA's policy to not publish "minor" states separately.

GRAIN STOCKS: Specified Crops By Storage Position
Wisconsin, June 1, September 1, 1982-90

Crop year	June 1			September 1		
	On farms	Off farms 1/	Total	On farms	Off farms 1/	Total
	1,000 bushels					
CORN						
1990	**120,000**	**36,478**	**156,478**	**65,000**	**23,335**	**88,335**
1989	95,000	38,463	133,463	63,000	26,362	89,362
1988	160,000	66,200	226,200	110,000	50,833	160,833
1987	168,000	72,800	240,800	120,000	64,700	184,700
1986	136,211	46,652	182,863	105,000	41,319	146,319
1985 2/	106,795	23,281	130,076	37,895	17,722	55,617
1984 2/	82,547	18,000	100,547	20,079	8,487	28,566
1983 2/	198,990	46,718	245,708	119,394	41,532	160,926
1982 2/	192,780	27,237	220,017	86,940	20,252	107,192
SOYBEANS						
1990	**2,800**	**1,178**	**3,978**	**1,500**	**653**	**2,153**
1989	2,200	843	3,043	970	546	1,516
1988	2,900	1,881	4,781	1,000	1,553	2,553
1987	3,000	4,050	7,050	1,400	3,200	4,600
1986	2,784	2,063	4,847	1,250	1,542	2,792
1985	4,185	1,375	5,560	1,814	632	2,446
1984	2,212	1,164	3,376	926	594	1,520
1983	4,638	735	5,373	2,592	690	3,282
1982	4,331	1,087	5,418	1,238	442	1,680
WHEAT						
1990	*	**5,049**	*	*	**12,056**	*
1989	*	5,916	*	*	18,369	*
1988	*	13,121	*	*	20,712	*
1987	*	23,800	*	*	30,000	*
1986	*	23,933	*	*	30,680	*
1985 2/	289	15,664	15,953	1,760	22,336	24,096
1984 2/	291	11,198	11,489	2,024	24,518	26,542
1983 2/	504	7,978	8,482	1,162	17,523	18,685
1982 2/	662	12,281	12,943	1,455	16,268	17,723
OATS						
1990	**14,500**	**14,714**	**29,214**	**43,000**	**19,040**	**62,040**
1989 2/	6,500	1,433	7,933	3/	3/	3/
1988 2/	9,300	1,338	10,638	3/	3/	3/
1987 2/	16,300	1,570	17,870	3/	3/	3/
1986 2/	18,018	1,579	19,597	3/	3/	3/
1985 2/	17,596	1,720	19,316	50,965	3,124	54,089
1984 2/	16,218	905	17,123	50,654	3,057	53,711
1983 2/	17,252	1,068	18,320	45,050	1,908	46,958
1982 2/	17,886	1,071	18,957	40,418	2,103	42,521
BARLEY						
1990	*	**19,133**	*	*	**14,871**	*
1989	*	14,987	*	*	12,814	*
1988	*	14,421	*	*	22,343	*
1987 2/	*	19,350	*	3/	3/	3/
1986 2/	*	19,000	*	3/	3/	3/
1985 2/	795	12,729	13,524	2,890	26,049	28,939
1984 2/	691	10,508	11,199	1,590	19,350	20,940
1983 2/	1,478	10,623	12,101	2,534	26,105	28,639
1982 2/	1,045	10,405	11,450	2,688	12,117	14,805

1/Includes stocks at mills, elevators, warehouses, terminals, processors. 2/Reference dates October 1. 3/Quarterly on-farm and off-farm stocks are discontinued. *USDA's policy not to publish "minor" states separately.

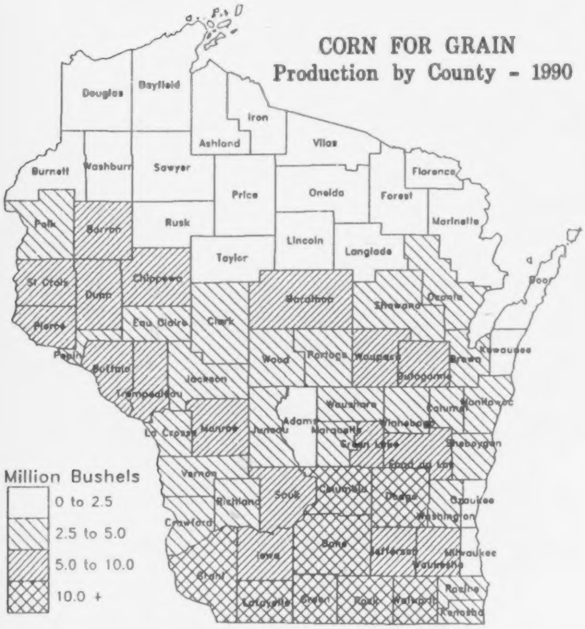
CORN FOR GRAIN: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90

County	1990					1989			
	All corn planted	Grain harvested	Yield per acre	Production		All corn planted	Grain harvested	Yield per acre	Production
				Quantity	Rank				
	Acres		Bushels			Acres		Bushels	
Barron	65,600	49,000	102.8	5,035,000	25	62,800	45,900	102.4	4,700,000
Bayfield	1,700	800	95.0	76,000	64	1,600	700	85.7	60,000
Burnett	14,700	11,500	96.5	1,110,000	56	13,900	10,400	89.5	931,000
Chippewa	72,200	51,000	103.1	5,260,000	20	72,100	49,300	102.2	5,040,000
Douglas	300	200	95.0	19,000	70*	300	200	85.0	17,000
Polk	55,600	40,000	106.5	4,260,000	33	54,200	38,100	96.6	3,680,000
Rusk	17,800	10,900	100.0	1,090,000	57	17,500	10,000	96.1	961,000
Sawyer	4,500	3,100	93.5	290,000	60	4,100	2,600	87.7	228,000
Washburn	12,600	8,500	89.4	760,000	58	11,500	7,800	87.6	683,000
N. W. District	**245,000**	**175,000**	**102.3**	**17,900,000**		**238,000**	**165,000**	**98.8**	**16,300,000**
Ashland	1,700	700	88.6	62,000	65	1,800	700	82.9	58,000
Clark	74,100	46,000	97.4	4,480,000	31	80,300	47,500	84.8	4,030,000
Iron	600	200	95.0	19,000	70*	500	200	85.0	17,000
Lincoln	6,300	2,900	89.7	260,000	61	5,800	2,700	80.0	216,000
Marathon	83,200	52,000	97.5	5,070,000	24	92,600	52,500	85.3	4,479,000
Oneida	400	300	93.3	28,000	67	500	400	95.0	38,000
Price	5,200	2,300	95.7	220,000	63	5,500	2,300	90.0	207,000
Taylor	22,200	13,400	92.5	1,240,000	55	22,900	13,600	91.6	1,246,000
Vilas	300	200	105.0	21,000	69	100	100	90.0	9,000
N. C. District	**194,000**	**118,000**	**96.6**	**11,400,000**		**210,000**	**120,000**	**85.8**	**10,300,000**
Florence	1,100	300	86.7	26,000	68	1,200	300	76.7	23,000
Forest	1,500	500	88.0	44,000	66	700	300	93.3	28,000
Langlade	9,900	5,900	105.1	620,000	59	10,300	5,900	95.4	563,000
Marinette	24,800	15,800	97.5	1,540,000	53	25,300	14,700	82.0	1,206,000
Oconto	52,200	36,600	101.1	3,700,000	43	53,500	36,100	86.4	3,120,000
Shawano	62,500	37,900	104.7	3,970,000	37	63,000	35,700	88.5	3,160,000
N. E. District	**152,000**	**97,000**	**102.1**	**9,900,000**		**154,000**	**93,000**	**87.1**	**8,100,000**
Buffalo	57,200	48,000	122.3	5,870,000	18	55,200	44,500	117.3	5,220,000
Dunn	81,200	70,000	119.6	8,370,000	13	79,000	65,600	111.7	7,330,000
Eau Claire	40,100	34,000	117.1	3,980,000	36	36,900	29,700	108.4	3,220,000
Jackson	41,000	35,000	122.3	4,280,000	32	38,600	31,500	112.7	3,550,000
La Crosse	36,000	31,000	124.8	3,870,000	40	34,100	28,500	115.4	3,290,000
Monroe	55,300	44,000	121.6	5,350,000	19	53,600	39,700	114.4	4,540,000
Pepin	24,900	21,000	121.0	2,540,000	49	23,400	19,000	114.7	2,180,000
Pierce	72,700	62,000	117.4	7,280,000	17	69,700	57,900	114.9	6,650,000
St. Croix	84,800	70,000	115.4	8,080,000	14	82,300	66,000	108.2	7,140,000
Trempealeau	72,800	60,000	123.0	7,380,000	16	69,200	54,600	113.2	6,180,000
W. C. District	**566,000**	**475,000**	**120.0**	**57,000,000**		**542,000**	**437,000**	**112.8**	**49,300,000**
Adams	22,200	20,000	106.0	2,120,000	51	25,500	20,000	110.5	2,210,000
Green Lake	51,400	46,000	113.3	5,210,000	21	52,000	45,200	112.2	5,070,000
Juneau	43,900	38,000	111.8	4,250,000	34	44,300	38,000	111.3	4,230,000
Marquette	31,600	26,000	106.9	2,780,000	48	30,100	23,200	102.6	2,380,000
Portage	43,300	37,000	113.5	4,200,000	35	43,300	36,200	111.3	4,030,000
Waupaca	62,900	46,000	110.4	5,080,000	23	61,400	43,600	106.0	4,620,000
Waushara	35,600	31,000	109.7	3,400,000	45	33,700	30,600	106.2	3,250,000
Wood	39,100	26,000	110.0	2,860,000	47	39,700	25,200	99.6	2,510,000
C. District	**330,000**	**270,000**	**110.7**	**29,900,000**		**330,000**	**262,000**	**108.0**	**28,300,000**
Brown	55,100	35,000	106.9	3,740,000	42	54,100	31,600	97.5	3,080,000
Calumet	40,900	28,000	110.4	3,090,000	46	40,000	24,500	106.1	2,600,000
Door	19,100	12,000	104.2	1,250,000	54	18,800	10,100	82.2	830,000
Fond du Lac	105,000	86,000	110.2	9,480,000	9	101,400	78,300	108.9	8,530,000
Kewaunee	33,600	21,000	105.7	2,220,000	50	33,500	19,400	100.0	1,940,000
Manitowoc	65,900	45,000	108.2	4,870,000	28	64,500	41,100	100.7	4,140,000
Outagamie	92,100	68,000	109.1	7,420,000	15	89,700	62,300	103.9	6,470,000
Sheboygan	57,500	43,000	108.1	4,650,000	30	55,300	39,700	104.3	4,140,000
Winnebago	57,800	47,000	106.0	4,980,000	26	53,700	43,000	104.0	4,470,000
E. C. District	**527,000**	**385,000**	**108.3**	**41,700,000**		**511,000**	**350,000**	**103.4**	**36,200,000**

CORN FOR GRAIN: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90, Continued

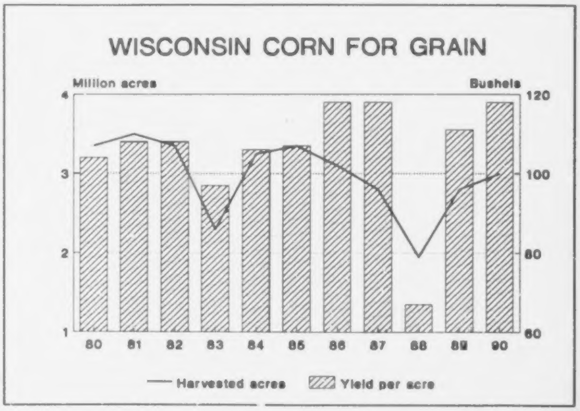
County	1990					1989			
	All corn planted	Grain harvested	Yield per acre	Production Quantity	Production Rank	All corn planted	Grain harvested	Yield per acre	Production
	Acres		Bushels			Acres		Bushels	
Crawford	35,200	31,000	123.5	3,830,000	41	34,600	29,100	116.8	3,400,000
Grant	153,000	140,000	123.7	17,320,000	3	146,000	129,000	115.5	14,900,000
Iowa	78,700	67,000	126.7	8,490,000	12	76,600	61,500	114.5	7,040,000
Lafayette	130,000	115,000	127.7	14,690,000	4	124,300	108,200	121.5	13,150,000
Richland	38,400	32,000	123.4	3,950,000	38	37,500	29,300	115.4	3,380,000
Sauk	88,500	76,000	123.7	9,400,000	10	85,600	69,900	117.7	8,230,000
Vernon	49,200	39,000	126.2	4,920,000	27	50,400	37,000	116.2	4,300,000
S. W. District	**573,000**	**500,000**	**125.2**	**62,600,000**		**555,000**	**464,000**	**117.2**	**54,400,000**
Columbia	126,100	115,000	127.7	14,680,000	5	119,600	105,100	118.9	12,500,000
Dane	218,000	195,000	130.2	25,390,000	1	208,900	181,000	114.9	20,800,000
Dodge	134,000	110,000	127.7	14,050,000	6	133,600	104,700	119.4	12,500,000
Green	96,600	80,000	127.6	10,210,000	8	88,200	71,300	117.8	8,400,000
Jefferson	80,300	70,000	125.1	8,760,000	11	74,400	61,400	114.0	7,000,000
Rock	156,000	145,000	131.8	19,110,000	2	149,300	135,500	120.3	16,300,000
S. C. District	**811,000**	**715,000**	**129.0**	**92,200,000**		**774,000**	**659,000**	**117.6**	**77,500,000**
Kenosha	37,300	33,000	117.6	3,880,000	39	36,000	31,700	119.6	3,790,000
Milwaukee	2,200	2,000	115.0	230,000	62	2,100	2,000	130.0	260,000
Ozaukee	22,500	19,000	107.9	2,050,000	52	20,400	17,500	117.1	2,050,000
Racine	45,400	40,000	120.5	4,820,000	29	42,800	37,400	122.5	4,580,000
Walworth	106,000	98,000	121.2	11,880,000	7	101,100	93,200	124.5	11,600,000
Washington	39,900	30,000	114.7	3,440,000	44	38,400	28,200	116.0	3,270,000
Waukesha	48,700	43,000	118.6	5,100,000	22	45,200	40,000	121.3	4,850,000
S. E. District	**302,000**	**265,000**	**118.5**	**31,400,000**		**286,000**	**250,000**	**121.6**	**30,400,000**
State	**3,700,000**	**3,000,000**	**118.0**	**354,000,000**		**3,600,000**	**2,800,000**	**111.0**	**310,800,000**

*Tied.


CORN FOR GRAIN
Production by County - 1990
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Marinette
Lincoln
Langlade
Taylor
Door
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Pierce
Eau Claire
Clark
Kewaunee
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Outagamie
Jackson
Trempealeau
Waushara
Calumet
Manitowoc
Adams
Winnebago
La Crosse
Monroe
Juneau
Marquette
Green Lake
Sheboygan
Fond du Lac
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Dane
Jefferson
Milwaukee
Iowa
Waukesha
Grant
Racine
Lafayette
Green
Rock
Walworth
Kenosha
Million Bushels
0 to 2.5
2.5 to 5.0
5.0 to 10.0
10.0 +

CORN: All Corn Acreage Planted, and Acreage, Yield, and Production of Corn for Grain Wisconsin, 1983-90

Year	All corn acres planted	Corn for grain		
		Acres harvested	Yield per acre	Production
	1,000		Bushels	1,000 bushels
1990	**3,700**	**3,000**	**118.0**	**354,000**
1989	3,600	2,800	111.0	310,800
1988	3,450	1,950	67.0	130,650
1987	3,550	2,800	118.0	330,400
1986	3,900	3,100	118.0	365,800
1985	4,300	3,350	107.0	358,450
1984	4,150	3,250	106.0	344,500
1983	3,190	2,300	97.0	223,100


WISCONSIN CORN FOR GRAIN

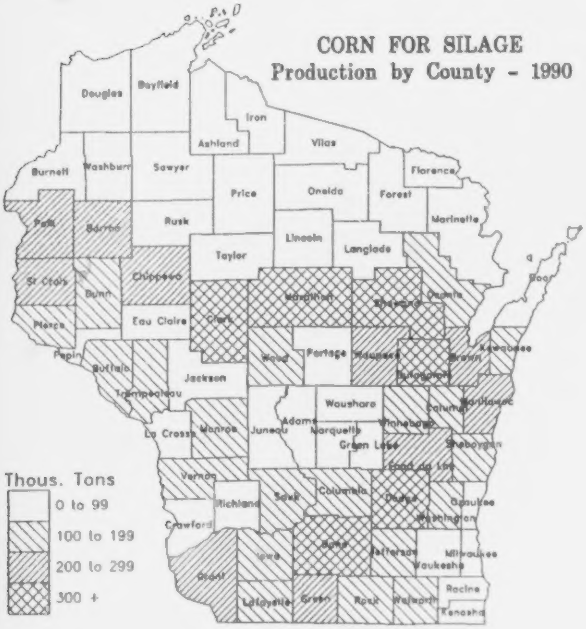
CORN FOR SILAGE: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90

County	1990					1989			
	All corn planted	Silage harvested	Yield per acre	Production		All corn planted	Silage harvested	Yield per acre	Production
				Quantity	Rank				
	Acres		Tons			Acres		Tons	
Barron	65,600	16,500	12.4	205,000	14	62,800	16,600	12.8	213,000
Bayfield	1,700	800	10.4	8,300	66	1,600	900	12.4	11,200
Burnett	14,700	3,100	12.1	37,500	58	13,900	3,100	11.5	35,700
Chippewa	72,200	21,000	11.7	245,000	10	72,100	21,900	12.1	266,000
Douglas	300	100	13.0	1,300	69	300	100	9.0	900
Polk	55,600	15,500	12.9	200,000	15*	54,200	15,900	12.1	192,000
Rusk	17,800	6,700	12.2	82,000	44	17,500	6,800	12.1	82,400
Sawyer	4,500	1,300	11.5	14,900	62	4,100	1,400	10.9	15,300
Washburn	12,600	4,000	11.5	46,000	56	11,500	3,300	10.2	33,500
N. W. District	**245,000**	**69,000**	**12.2**	**840,000**		**238,000**	**70,000**	**12.1**	**850,000**
Ashland	1,700	900	10.9	9,800	64	1,800	1,100	10.2	11,200
Clark	74,100	28,000	11.8	330,000	5	80,300	31,500	11.6	364,000
Iron	600	300	9.0	2,700	67	500	300	10.0	3,000
Lincoln	6,300	3,200	12.5	40,000	57	5,800	3,100	11.1	34,400
Marathon	83,200	31,000	11.9	370,000	1	92,600	35,800	11.7	418,000
Oneida	400	100	11.0	1,100	70	500	100	15.0	1,500
Price	5,200	2,800	12.0	33,500	60	5,500	2,900	12.0	34,900
Taylor	22,200	8,600	10.7	92,000	41	22,900	8,900	11.6	103,000
Vilas	300	100	9.0	900	71	100	-	-	-
N. C. District	**194,000**	**75,000**	**11.7**	**880,000**		**210,000**	**83,700**	**11.6**	**970,000**
Florence	1,100	700	12.3	8,600	65	1,200	700	11.3	7,900
Forest	1,500	900	11.3	10,200	63	700	300	12.0	3,600
Langlade	9,900	3,900	12.1	47,200	54	10,300	4,400	10.1	44,400
Marinette	24,800	8,500	11.6	99,000	37	25,300	10,000	9.8	98,100
Oconto	52,200	15,000	13.0	195,000	17*	53,500	16,800	10.5	176,000
Shawano	62,500	24,000	12.9	310,000	6	63,000	26,800	10.6	284,000
N. E. District	**152,000**	**53,000**	**12.6**	**670,000**		**154,000**	**59,000**	**10.4**	**614,000**
Buffalo	57,200	9,000	17.2	155,000	32	55,200	10,600	15.6	165,000
Dunn	81,200	11,000	15.0	165,000	26*	79,000	12,900	13.3	171,000
Eau Claire	40,100	5,900	15.4	91,000	42	36,900	6,900	14.4	99,700
Jackson	41,000	5,900	16.1	95,000	39	38,600	6,800	14.7	100,000
La Crosse	36,000	4,900	16.5	81,000	45	34,100	5,400	15.6	84,000
Monroe	55,300	11,000	16.4	180,000	22	53,600	13,600	13.6	185,000
Pepin	24,900	3,800	15.3	58,000	53	23,400	4,400	14.6	64,300
Pierce	72,700	10,500	15.7	165,000	26*	69,700	11,800	14.4	170,000
St. Croix	84,800	14,500	15.5	225,000	11	82,300	16,200	13.6	221,000
Trempealeau	72,800	12,500	15.6	195,000	17*	69,200	14,400	14.6	210,000
W. C. District	**566,000**	**89,000**	**15.8**	**1,410,000**		**542,000**	**103,000**	**14.3**	**1,470,000**
Adams	22,200	2,100	12.4	26,000	61	25,500	2,200	12.8	28,200
Green Lake	51,400	5,300	12.5	66,000	49*	52,000	5,300	13.0	69,000
Juneau	43,900	5,700	12.5	71,000	47	44,300	6,100	11.9	72,300
Marquette	31,600	5,400	12.2	66,000	49*	30,100	5,600	12.9	72,300
Portage	43,300	6,000	14.0	84,000	43	43,300	6,400	11.1	71,200
Waupaca	62,900	16,600	12.7	210,000	12*	61,400	17,400	11.7	204,000
Waushara	35,600	2,900	12.8	37,000	59	33,700	3,000	11.3	34,000
Wood	39,100	13,000	12.3	160,000	29	39,700	14,000	11.2	157,000
C. District	**330,000**	**57,000**	**12.6**	**720,000**		**330,000**	**60,000**	**11.8**	**708,000**
Brown	55,100	19,500	13.3	260,000	8	54,100	22,300	12.4	277,000
Calumet	40,900	12,500	14.3	179,000	23	40,000	15,300	13.4	205,000
Door	19,100	6,800	13.7	93,000	40	18,800	7,600	11.3	86,000
Fond du Lac	105,000	18,000	13.9	250,000	9	101,400	21,400	13.4	286,000
Kewaunee	33,600	12,000	13.8	166,000	25	33,500	13,900	13.4	186,000
Manitowoc	65,900	19,500	14.9	290,000	7	64,500	23,000	13.4	309,000
Outagamie	92,100	23,000	14.8	340,000	4	89,700	26,900	13.8	371,000
Sheboygan	57,500	13,500	13.6	184,000	21	55,300	15,200	12.5	190,000
Winnebago	57,800	9,200	12.8	118,000	36	53,700	10,400	12.5	130,000
E. C. District	**527,000**	**134,000**	**14.0**	**1,880,000**		**511,000**	**156,000**	**13.1**	**2,040,000**

CORN FOR SILAGE: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90, Continued

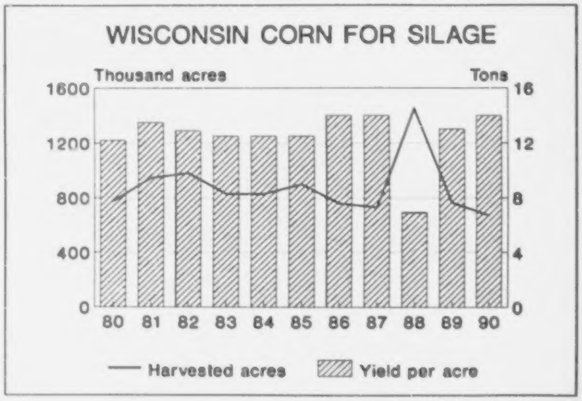
County	1990					1989			
	All corn planted	Silage harvested	Yield per acre	Production		All corn planted	Silage harvested	Yield per acre	Production
				Quantity	Rank				
	Acres		Tons			Acres		Tons	
Crawford	35,200	4,100	15.9	65,000	51	34,600	5,300	14.3	76,000
Grant	153,000	12,500	16.0	200,000	15 *	146,000	16,800	14.4	242,000
Iowa	78,700	11,500	16.5	190,000	19	76,600	14,800	14.6	216,000
Lafayette	130,000	12,000	15.4	185,000	20	124,300	16,100	13.5	218,000
Richland	38,400	6,300	15.2	96,000	38	37,500	8,200	14.3	117,000
Sauk	88,500	12,000	14.8	177,000	24	85,600	15,200	14.6	222,000
Vernon	49,200	9,600	16.4	157,000	30	50,400	12,900	14.7	189,000
S. W. District	**573,000**	**68,000**	**15.7**	**1,070,000**		**555,000**	**89,300**	**14.3**	**1,280,000**
Columbia	126,100	11,000	14.9	164,000	28	119,600	12,700	13.8	175,000
Dane	218,000	22,500	15.6	350,000	3	208,900	27,400	14.1	385,000
Dodge	134,000	23,500	15.3	360,000	2	133,600	28,100	14.8	417,000
Green	96,600	13,000	16.2	210,000	12 *	88,200	16,200	14.3	232,000
Jefferson	80,300	10,000	15.0	150,000	33	74,400	12,100	13.6	165,000
Rock	156,000	10,000	15.6	156,000	31	149,300	12,500	13.6	170,000
S. C. District	**811,000**	**90,000**	**15.4**	**1,390,000**		**774,000**	**109,000**	**14.2**	**1,544,000**
Kenosha	37,300	4,100	15.6	64,000	52	36,000	4,100	13.6	55,800
Milwaukee	2,200	100	17.0	1,700	68	2,100	100	9.0	900
Ozaukee	22,500	3,200	14.5	46,300	55	20,400	2,800	13.3	37,200
Racine	45,400	5,000	14.8	74,000	46	42,800	4,900	11.6	57,000
Walworth	106,000	7,800	15.8	123,000	35	101,100	7,800	14.4	112,300
Washington	39,900	9,700	14.6	142,000	34	38,400	9,300	13.1	121,400
Waukesha	48,700	5,100	13.5	69,000	48	45,200	5,000	14.3	71,400
S. E. District	**302,000**	**35,000**	**14.9**	**520,000**		**286,000**	**34,000**	**13.4**	**456,000**
State	**3,700,000**	**670,000**	**14.0**	**9,380,000**		**3,600,000**	**764,000**	**13.0**	**9,932,000**

*Tied.


CORN FOR SILAGE
Production by County - 1990
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Price
Oneida
Forest
Florence
Marinette
Polk
Barron
Rusk
Lincoln
Langlade
Taylor
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Door
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Outagamie
Brown
Kewaunee
Jackson
Trempealeau
Waushara
Calumet
Manitowoc
La Crosse
Monroe
Juneau
Adams
Marquette
Winnebago
Green Lake
Sheboygan
Fond du Lac
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Iowa
Dane
Jefferson
Milwaukee
Waukesha
Grant
Lafayette
Green
Rock
Walworth
Racine
Kenosha
Thous. Tons
0 to 99
100 to 199
200 to 299
300 +

CORN FOR SILAGE: Acreage, Yield, and Production Wisconsin, 1983-90

Year	Acres harvested	Yield per acre	Production
	1,000	Tons	1,000 tons
1990	**670**	**14.0**	**9,380**
1989	764	13.0	9,932
1988	1,450	6.9	10,005
1987	730	14.0	10,220
1986	760	14.0	10,640
1985	900	12.5	11,250
1984	830	12.5	10,375
1983	830	12.5	10,375



OATS: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90

County	1990					1989			
	Acres		Yield	Production		Acres		Yield	Production
	Planted	Harvested	Per acre	Quantity	Rank	Planted	Harvested	Per acre	
	Acres		Bushels			Acres		Bushels	
Barron	18,100	13,600	62.1	845,000	25	19,500	14,500	67.6	980,000
Bayfield	2,400	2,000	62.0	124,000	59	2,600	1,900	58.9	112,000
Burnett	3,000	2,000	58.0	116,000	60	2,900	2,000	60.0	120,000
Chippewa	25,400	18,800	60.1	1,130,000	15	26,300	19,300	66.8	1,290,000
Douglas	1,300	1,000	59.0	59,000	65	1,300	1,000	59.0	59,000
Polk	16,000	12,200	59.8	730,000	27*	16,800	12,700	63.8	810,000
Rusk	7,000	5,300	59.4	315,000	51	7,400	5,500	60.9	335,000
Sawyer	1,500	1,100	60.0	66,000	64	1,500	1,100	63.6	70,000
Washburn	2,600	2,000	62.5	125,000	58	2,700	2,000	62.0	124,000
N. W. District	**77,300**	**58,000**	**60.5**	**3,510,000**		**81,000**	**60,000**	**65.0**	**3,900,000**
Ashland	1,700	1,300	57.7	75,000	63	1,600	1,300	60.8	79,000
Clark	33,700	24,300	55.6	1,350,000	9	33,500	25,900	68.0	1,760,000
Iron	600	500	60.2	30,100	68	600	500	58.0	29,000
Lincoln	7,500	5,400	54.6	295,000	52	7,400	5,900	62.7	370,000
Marathon	45,500	33,500	58.3	1,953,000	2	45,100	35,300	66.3	2,340,000
Oneida	900	700	53.3	37,300	67	500	400	57.5	23,000
Price	3,700	2,800	54.9	153,600	56	3,700	3,000	63.3	190,000
Taylor	15,700	11,100	53.7	596,000	38	15,000	11,700	65.0	760,000
Vilas	500	400	50.0	20,000	70	600	500	58.0	29,000
N. C. District	**109,800**	**80,000**	**56.4**	**4,510,000**		**108,000**	**84,500**	**66.0**	**5,580,000**
Florence	400	300	60.0	18,000	71	300	200	60.0	12,000
Forest	1,000	800	63.8	51,000	66	1,100	700	61.4	43,000
Langlade	14,300	12,700	71.3	905,000	20	14,900	12,000	65.8	790,000
Marinette	7,100	6,200	63.1	391,000	46	7,400	5,800	60.3	350,000
Oconto	12,600	10,800	66.2	715,000	30	13,500	10,500	64.3	675,000
Shawano	22,200	19,200	71.4	1,370,000	8	23,200	18,200	67.6	1,230,000
N. E. District	**57,600**	**50,000**	**69.0**	**3,450,000**		**60,400**	**47,400**	**65.4**	**3,100,000**
Buffalo	12,100	8,500	58.8	500,000	40	12,300	8,600	61.6	530,000
Dunn	23,700	17,600	59.1	1,040,000	17	24,400	17,700	63.3	1,120,000
Eau Claire	16,800	12,800	56.6	725,000	29	18,500	13,300	64.7	860,000
Jackson	12,300	9,400	60.6	570,000	39	12,100	9,200	66.8	615,000
La Crosse	7,200	5,200	62.5	325,000	49	7,100	5,100	64.7	330,000
Monroe	15,700	11,000	62.3	685,000	33*	15,800	11,300	63.7	720,000
Pepin	8,500	6,500	60.8	395,000	45	8,500	6,500	69.2	450,000
Pierce	22,400	17,500	61.7	1,080,000	16	23,000	17,600	70.5	1,240,000
St. Croix	29,100	22,000	58.6	1,290,000	11	30,100	23,200	66.8	1,550,000
Trempealeau	17,400	12,500	59.2	740,000	26	17,200	12,500	62.0	775,000
W. C. District	**165,200**	**123,000**	**59.8**	**7,350,000**		**169,000**	**125,000**	**65.5**	**8,190,000**
Adams	2,200	1,600	56.9	91,000	61	2,000	1,400	65.0	91,000
Green Lake	8,900	6,700	65.4	438,000	42	8,800	6,400	65.6	420,000
Juneau	7,300	5,400	62.6	338,000	48	7,100	5,000	59.8	299,000
Marquette	4,600	3,300	57.6	190,000	54	4,300	3,100	54.8	170,000
Portage	10,400	6,800	61.2	416,000	43	8,900	6,400	57.5	368,000
Waupaca	14,700	10,700	68.2	730,000	27*	13,800	10,100	62.9	635,000
Waushara	3,700	2,500	53.6	134,000	57	3,200	2,300	54.3	125,000
Wood	14,400	10,000	65.3	653,000	35	13,400	9,800	62.4	612,000
C. District	**66,200**	**47,000**	**63.6**	**2,990,000**		**61,500**	**44,500**	**61.1**	**2,720,000**
Brown	20,600	17,800	73.0	1,300,000	10	22,100	17,600	65.3	1,150,000
Calumet	13,900	12,000	78.3	940,000	18	14,800	12,000	75.0	900,000
Door	18,600	16,700	71.3	1,190,000	12*	19,900	16,300	64.4	1,050,000
Fond du Lac	22,600	19,800	76.8	1,520,000	5	25,600	20,100	67.7	1,360,000
Kewaunee	21,800	19,400	75.3	1,460,000	7	23,800	19,200	72.4	1,390,000
Manitowoc	26,500	23,500	78.3	1,840,000	3	28,800	23,500	74.0	1,740,000
Outagamie	18,500	16,000	74.4	1,190,000	12*	21,100	16,400	70.7	1,160,000
Sheboygan	21,300	19,000	79.5	1,510,000	6	23,500	19,300	68.9	1,330,000
Winnebago	11,500	9,800	72.4	710,000	31	12,400	9,600	62.5	600,000
E. C. District	**175,300**	**154,000**	**75.7**	**11,660,000**		**192,000**	**154,000**	**69.4**	**10,680,000**

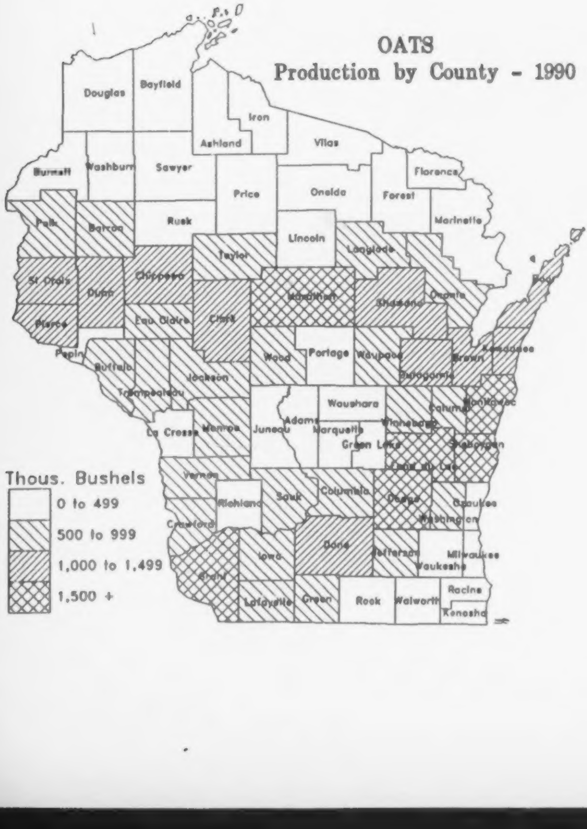
OATS: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90, Continued

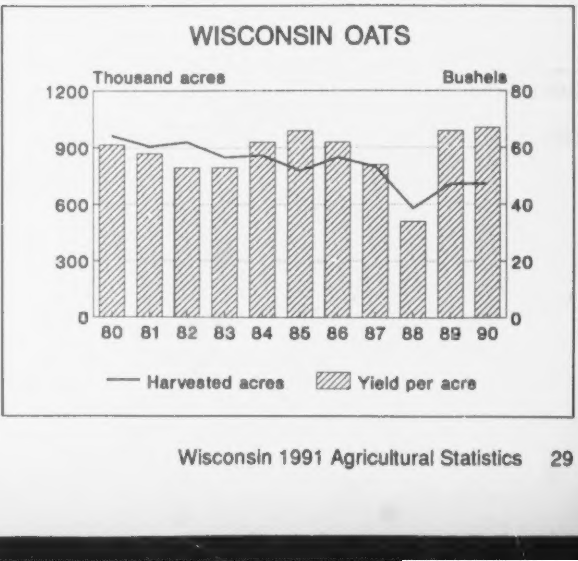
County	1990					1989			
	Acres		Yield	Production		Acres		Yield	Production
	Planted	Harvested	Per acre	Quantity	Rank	Planted	Harvested	Per acre	
	Acres		Bushels			Acres		Bushels	
Crawford	11,800	9,000	67.8	610,000	37	11,900	8,500	60.0	510,000
Grant	39,000	31,500	70.8	2,230,000	1	40,400	29,800	67.4	2,010,000
Iowa	17,000	13,000	66.2	860,000	23	17,300	12,600	62.7	790,000
Lafayette	17,600	13,500	66.7	900,000	21	18,000	13,100	65.6	860,000
Richland	7,500	5,400	64.8	350,000	47	7,800	5,200	57.7	300,000
Sauk	16,400	12,700	67.3	855,000	24	17,100	12,200	63.1	770,000
Vernon	13,800	9,900	69.2	685,000	33 *	14,500	9,500	64.2	610,000
S. W. District	**123,100**	**95,000**	**68.3**	**6,490,000**		**127,000**	**90,900**	**64.4**	**5,850,000**
Columbia	12,200	9,700	72.7	705,000	32	13,200	9,800	66.8	655,000
Dane	19,300	15,200	75.0	1,140,000	14	21,500	15,100	65.9	995,000
Dodge	25,700	21,000	76.2	1,600,000	4	28,500	20,900	69.4	1,450,000
Green	16,700	12,800	69.9	895,000	22	18,000	12,500	60.0	750,000
Jefferson	10,600	8,500	72.9	620,000	36	11,600	8,500	62.4	530,000
Rock	7,300	5,800	69.0	400,000	44	8,200	5,900	64.4	380,000
S. C. District	**91,800**	**73,000**	**73.4**	**5,360,000**		**101,000**	**72,700**	**65.5**	**4,760,000**
Kenosha	1,500	1,200	70.8	85,000	62	1,700	1,300	65.0	84,500
Milwaukee	500	400	67.5	27,000	69	600	500	69.0	34,500
Ozaukee	6,900	6,200	75.8	470,000	41	8,100	6,400	71.9	460,000
Racine	2,700	2,200	73.6	162,000	55	2,900	2,200	63.2	139,000
Walworth	4,100	3,600	75.0	270,000	53	5,100	3,900	65.9	257,000
Washington	13,300	12,000	76.3	915,000	19	15,700	12,200	67.6	825,000
Waukesha	4,700	4,400	73.0	321,000	50	6,000	4,500	62.2	280,000
S. E. District	**33,700**	**30,000**	**75.0**	**2,250,000**		**40,100**	**31,000**	**67.1**	**2,080,000**
State	**900,000**	**710,000**	**67.0**	**47,570,000**		**940,000**	**710,000**	**66.0**	**46,860,000**

*Tied.

OATS: Acreage, Yield, and Production Wisconsin, 1983-90

Year	Acres		Yield per acre	Production
	Planted	Harvested		
	1,000		Bushels	1,000 bushels
1990	**900**	**710**	**67.0**	**47,570**
1989	940	710	66.0	46,860
1988	1,050	580	34.0	19,720
1987	1,300	800	54.0	43,200
1986	1,200	850	62.0	52,700
1985	950	780	66.0	51,480
1984	1,040	860	62.0	53,320
1983	1,140	850	53.0	45,050


OATS
Production by County - 1990
Thous. Bushels
0 to 499
500 to 999
1,000 to 1,499
1,500 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Price
Oneida
Forest
Florence
Marinette
Polk
Barron
Rusk
Taylor
Lincoln
Langlade
St. Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Door
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Outagamie
Trempealeau
Jackson
Manitowoc
Calumet
Waushara
Adams
Winnebago
La Crosse
Monroe
Juneau
Marquette
Green Lake
Fond du Lac
Sheboygan
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Dane
Jefferson
Milwaukee
Grant
Iowa
Waukesha
Racine
Lafayette
Green
Rock
Walworth
Kenosha



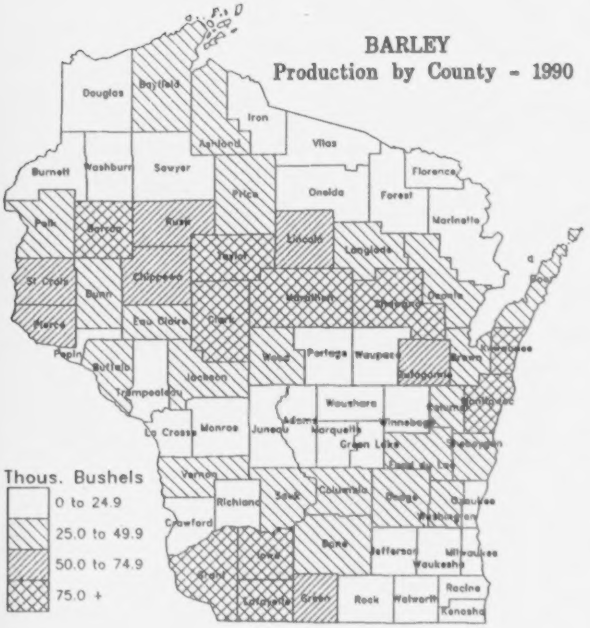
BARLEY: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90

County	1990					1989			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Bushels			Acres		Bushels	
Barron	3,400	2,400	52.1	125,000	4 *	3,800	3,300	54.2	179,000
Bayfield	700	500	61.0	30,500	32	600	400	65.3	26,100
Burnett	300	200	52.5	10,500	52	250	150	46.7	7,000
Chippewa	1,500	1,000	51.0	51,000	17	2,200	1,400	60.0	84,000
Douglas	100	50	48.0	2,400	67	100	50	48.0	2,400
Polk	1,200	800	50.0	40,000	22 *	1,900	1,400	50.5	70,700
Rusk	1,600	1,000	54.0	54,000	15	2,400	1,500	56.0	84,000
Sawyer	200	100	48.0	4,800	61	250	150	48.0	7,200
Washburn	500	350	48.0	16,800	47	800	450	45.8	20,600
N. W. District	**9,500**	**6,400**	**52.3**	**335,000**		**12,300**	**8,800**	**54.7**	**481,000**
Ashland	900	700	53.1	37,200	26	850	800	46.3	37,000
Clark	5,300	3,400	46.8	159,000	2	5,600	4,800	57.7	277,000
Iron	-	-	-	-	-	50	50	48.0	2,400
Lincoln	2,000	1,400	47.1	66,000	11	1,700	1,400	59.3	83,000
Marathon	5,700	3,900	50.0	195,000	1	5,300	5,000	57.4	287,000
Oneida	200	50	30.0	1,500	69	100	50	48.0	2,400
Price	900	600	48.3	29,000	34 *	850	800	52.5	42,000
Taylor	2,600	1,900	46.8	89,000	9	3,700	2,400	56.5	135,700
Vilas	100	50	46.0	2,300	68	150	100	45.0	4,500
N. C. District	**17,700**	**12,000**	**48.3**	**579,000**		**18,300**	**15,400**	**56.6**	**871,000**
Florence	200	150	54.7	8,200	54	200	200	46.0	9,200
Forest	300	250	48.4	12,100	50	300	300	46.3	13,900
Langlade	1,100	700	47.9	33,500	28	1,000	900	55.3	49,800
Marinette	400	300	49.0	14,700	48	500	400	49.3	19,700
Oconto	900	600	52.5	31,500	31	800	700	51.1	35,800
Shawano	2,400	1,700	58.8	100,000	8	2,200	1,900	54.5	103,600
N. E. District	**5,300**	**3,700**	**54.1**	**200,000**		**5,000**	**4,400**	**52.7**	**232,000**
Buffalo	1,100	700	47.7	33,400	29	900	700	48.9	34,200
Dunn	1,000	600	48.7	29,200	33	1,150	900	53.3	48,000
Eau Claire	800	600	48.3	29,000	34 *	1,000	800	49.4	39,500
Jackson	1,000	700	45.7	32,000	30	1,300	1,000	54.9	54,900
La Crosse	300	150	48.0	7,200	55	300	200	48.5	9,700
Monroe	700	400	50.8	20,300	42	800	600	55.0	33,000
Pepin	200	150	46.7	7,000	56 *	250	200	54.5	10,900
Pierce	2,000	1,400	46.4	65,000	12	2,200	1,900	55.9	106,300
St. Croix	1,700	1,100	47.3	52,000	16	1,700	1,500	53.2	79,800
Trempealeau	700	500	45.8	22,900	40	700	600	47.8	28,700
W. C. District	**9,500**	**6,300**	**47.3**	**298,000**		**10,300**	**8,400**	**53.0**	**445,000**
Adams	100	50	56.0	2,800	63 *	100	100	54.0	5,400
Green Lake	200	150	64.0	9,600	53	300	200	56.5	11,300
Juneau	600	350	56.6	19,800	43	400	300	51.7	15,500
Marquette	100	50	52.0	2,600	65 *	100	100	46.0	4,600
Portage	400	300	62.0	18,600	45	500	350	48.0	16,800
Waupaca	500	350	55.7	19,500	44	600	400	55.8	22,300
Waushara	100	50	52.0	2,600	65 *	100	50	46.0	2,300
Wood	800	700	57.9	40,500	21	1,100	900	48.7	43,800
C. District	**2,800**	**2,000**	**58.0**	**116,000**		**3,200**	**2,400**	**50.8**	**122,000**
Brown	950	700	58.6	41,000	19 *	1,050	850	57.6	49,000
Calumet	850	700	61.4	43,000	18	1,100	950	67.8	64,400
Door	800	650	61.5	40,000	22 *	900	800	64.8	51,800
Fond du Lac	700	450	64.4	29,000	34 *	700	500	59.4	29,700
Kewaunee	2,300	1,900	62.6	119,000	6	2,800	2,400	65.8	158,000
Manitowoc	2,500	2,000	62.5	125,000	4 *	2,800	2,500	63.6	159,000
Outagamie	1,200	900	63.3	57,000	13 *	1,300	1,200	63.8	76,500
Sheboygan	800	700	58.6	41,000	19 *	950	900	57.8	52,000
Winnebago	500	400	55.0	22,000	41	600	500	55.2	27,600
E. C. District	**10,600**	**8,400**	**61.5**	**517,000**		**12,200**	**10,600**	**63.0**	**668,000**

BARLEY: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90, Continued

County	1990					1989			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Bushels			Acres		Bushels	
Crawford	200	150	46.7	7,000	56 *	250	200	56.0	11,200
Grant	2,900	2,300	59.1	136,000	3	3,400	3,000	59.3	178,000
Iowa	2,600	1,900	55.3	105,000	7	3,000	2,500	58.4	146,000
Lafayette	1,900	1,500	55.3	83,000	10	2,500	2,100	61.0	128,000
Richland	300	200	55.0	11,000	51	350	300	47.3	14,200
Sauk	1,000	750	53.3	40,000	22 *	1,200	1,000	57.2	57,200
Vernon	700	600	48.3	29,000	34 *	900	700	63.4	44,400
S. W. District	**9,600**	**7,400**	**55.5**	**411,000**		**11,600**	**9,800**	**59.1**	**579,000**
Columbia	500	400	71.3	28,500	38	800	500	59.0	29,500
Dane	500	400	68.0	27,200	39	700	600	54.7	32,800
Dodge	800	600	65.0	39,000	25	1,100	900	62.3	56,100
Green	1,300	900	63.3	57,000	13 *	1,800	1,300	55.0	71,500
Jefferson	300	200	62.5	12,500	49	400	300	59.7	17,900
Rock	100	100	68.0	6,800	58	300	200	56.0	11,200
S. C. District	**3,500**	**2,600**	**65.8**	**171,000**		**5,100**	**3,800**	**57.6**	**219,000**
Kenosha	100	100	67.0	6,700	59	100	100	71.0	7,100
Milwaukee	-	-	-	-	-	100	50	56.0	2,800
Ozaukee	400	300	60.7	18,200	46	500	300	66.0	19,800
Racine	100	50	58.0	2,900	62	100	100	60.0	6,000
Walworth	100	50	56.0	2,800	63 *	100	100	56.0	5,600
Washington	600	600	60.8	36,500	27	900	650	62.2	40,400
Waukesha	200	100	59.0	5,900	60	200	100	63.0	6,300
S. E. District	**1,500**	**1,200**	**60.8**	**73,000**		**2,000**	**1,400**	**62.9**	**88,000**
State	**70,000**	**50,000**	**54.0**	**2,700,000**		**80,000**	**65,000**	**57.0**	**3,705,000**

*Tied.


BARLEY
Production by County - 1990
Thous. Bushels
0 to 24.9
25.0 to 49.9
50.0 to 74.9
75.0 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Marinette
Polk
Barron
Rusk
Lincoln
Langlade
Taylor
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Pierce
Eau Claire
Clark
Pepin
Buffalo
Jackson
Wood
Portage
Waupaca
Brown
Kewaunee
Door
Outagamie
Trempealeau
Manitowoc
Waushara
Calumet
La Crosse
Monroe
Juneau
Adams
Marquette
Winnebago
Green Lake
Fond du Lac
Sheboygan
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Dane
Jefferson
Milwaukee
Waukesha
Iowa
Grant
Lafayette
Green
Rock
Walworth
Racine
Kenosha

BARLEY: Acreage, Yield, and Production Wisconsin, 1983-90

Year	Acres		Yield per acre	Production
	Planted	Harvested		
	1,000		Bushels	1,000 bushels
1990	**70**	**50**	**54.0**	**2,700**
1989	80	65	57.0	3,705
1988	100	75	34.0	2,550
1987	110	88	54.0	4,752
1986	95	85	57.0	4,845
1985	57	53	58.0	3,074
1984	55	50	53.0	2,650
1983	53	48	48.0	2,304

RYE: Acreage, Yield, and Production Wisconsin, 1983-90

Year	Acres		Yield per acre	Production
	Planted	Harvested		
	1,000		Bushels	1,000 bushels
1990	**85**	**15**	**31.0**	**465**
1989	70	12	30.0	360
1988	40	6	20.0	120
1987	25	6	25.0	150
1986	20	6	28.0	168
1985	30	9	26.0	234
1984	30	8	27.0	216
1983	25	10	30.0	300

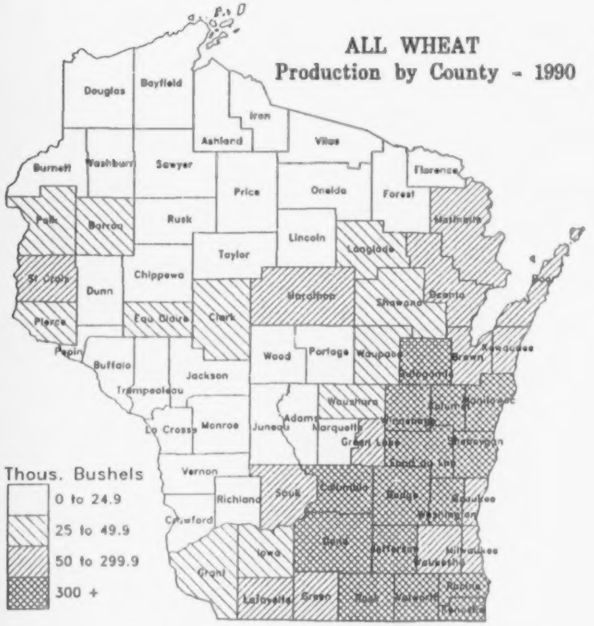
ALL WHEAT: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90

County	1990					1989			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Bushels			Acres		Bushels	
Barron	1,050	950	46.6	44,300	31	1,240	1,050	47.2	49,600
Bayfield	400	300	41.0	12,300	45	410	300	39.0	11,700
Burnett	100	100	34.0	3,400	62	100	100	45.0	4,500
Chippewa	150	150	34.0	5,100	57	250	150	45.3	6,800
Douglas	100	100	47.0	4,700	59 *	100	100	45.0	4,500
Polk	850	700	46.1	32,300	36	620	600	45.7	27,400
Rusk	200	150	38.7	5,800	54 *	200	100	46.0	4,600
Sawyer	50	50	34.0	1,700	66 *	50	50	46.0	2,300
Washburn	400	350	41.1	14,400	43	530	450	34.7	15,600
N. W. District	**3,300**	**2,850**	**43.5**	**124,000**		**3,500**	**2,900**	**43.8**	**127,000**
Ashland	200	150	39.3	5,900	53	150	100	43.0	4,300
Clark	850	750	36.1	27,100	40	960	800	38.5	30,800
Iron	-	-	-	-	-	100	50	40.0	2,000
Lincoln	150	100	41.0	4,100	61	160	100	36.0	3,600
Marathon	1,300	1,150	47.4	54,500	28	1,210	1,050	45.0	47,200
Oneida	50	50	38.0	1,900	65	100	50	40.0	2,000
Price	50	50	34.0	1,700	66 *	160	100	33.0	3,300
Taylor	200	150	38.7	5,800	54 *	110	100	34.0	3,400
Vilas	-	-	-	-	-	50	50	40.0	2,000
N. C. District	**2,800**	**2,400**	**42.1**	**101,000**		**3,000**	**2,400**	**41.1**	**98,600**
Florence	-	-	-	-	-	200	150	45.3	6,800
Forest	50	50	40.0	2,000	64	100	50	44.0	2,200
Langlade	650	600	46.7	28,000	39	480	400	41.5	16,600
Marinette	1,450	1,400	45.4	63,600	25	1,450	1,300	49.5	64,300
Oconto	2,100	2,000	46.5	92,900	23	2,350	2,000	42.3	84,600
Shawano	750	750	47.3	35,500	33	880	700	44.4	31,100
N. E. District	**5,000**	**4,800**	**46.3**	**222,000**		**5,460**	**4,600**	**44.7**	**205,600**
Buffalo	450	400	45.5	18,200	41	550	450	34.0	15,300
Dunn	250	150	41.3	6,200	52	220	200	34.5	6,900
Eau Claire	1,050	950	30.9	29,400	37	1,320	1,200	36.7	44,000
Jackson	200	150	46.0	6,900	50	100	100	40.0	4,000
La Crosse	100	100	31.0	3,100	63	100	100	40.0	4,000
Monroe	200	150	31.3	4,700	59 *	100	100	40.0	4,000
Pepin	-	-	-	-	-	100	100	40.0	4,000
Pierce	900	800	47.5	38,000	32	890	750	37.7	28,300
St. Croix	1,500	1,250	45.4	56,800	27	1,520	1,350	39.5	53,300
Trempealeau	150	150	38.0	5,700	56	220	150	34.7	5,200
W. C. District	**4,800**	**4,100**	**41.2**	**169,000**		**5,120**	**4,500**	**37.6**	**169,000**
Adams	300	200	38.0	7,600	49	630	300	42.3	12,700
Green Lake	4,400	3,700	50.8	188,000	19	3,860	3,550	51.1	181,400
Juneau	350	300	45.3	13,600	44	320	200	45.5	9,100
Marquette	300	250	42.8	10,700	47	300	200	37.5	7,500
Portage	350	350	34.9	12,200	46	610	450	37.8	17,000
Waupaca	1,200	1,000	45.1	45,100	30	3,500	1,000	48.1	48,100
Waushara	800	650	43.2	28,100	38	900	600	41.7	25,000
Wood	200	150	44.7	6,700	51	260	200	40.0	8,000
C. District	**7,900**	**6,600**	**47.3**	**312,000**		**10,380**	**6,500**	**47.5**	**308,800**
Brown	4,700	4,500	49.9	224,700	18	4,700	4,150	51.7	214,400
Calumet	6,700	6,350	50.8	322,600	14	6,950	6,000	53.8	322,800
Door	3,600	3,450	52.8	182,100	20	3,550	3,100	45.5	141,200
Fond du Lac	15,250	14,150	51.6	730,800	1	15,450	13,450	49.6	667,400
Kewaunee	3,500	3,200	51.7	165,400	21	3,450	3,000	54.3	162,800
Manitowoc	10,200	9,850	52.2	514,500	7	10,300	9,100	56.3	512,500
Outagamie	6,450	5,900	50.9	300,400	15	6,500	5,650	47.7	269,500
Sheboygan	11,550	11,200	55.3	619,200	3	12,100	10,600	51.8	549,200
Winnebago	9,600	9,200	50.6	465,300	10	10,320	8,650	45.2	391,400
E. C. District	**71,550**	**67,800**	**52.0**	**3,525,000**		**73,320**	**63,700**	**50.7**	**3,231,200**

ALL WHEAT: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90, Continued

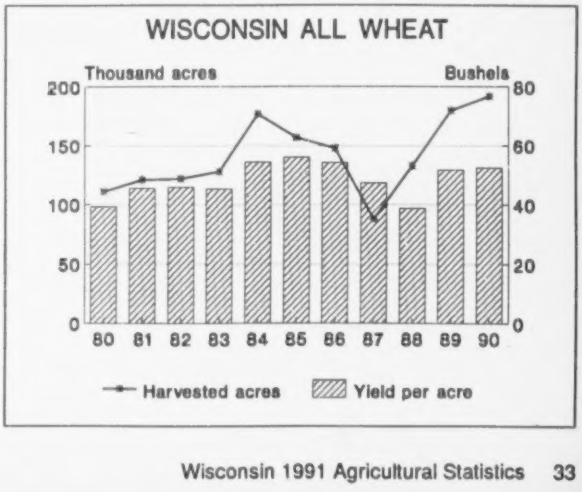
County	1990					1989			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Bushels			Acres		Bushels	
Crawford	100	100	50.0	5,000	58	100	100	52.0	5,200
Grant	650	600	55.3	33,200	35	910	700	56.6	39,600
Iowa	700	650	51.5	33,500	34	560	450	52.7	23,700
Lafayette	1,600	1,250	51.4	64,300	24	810	600	54.7	32,800
Richland	350	350	44.6	15,600	42	400	300	63.7	19,100
Sauk	1,450	1,200	51.4	61,700	26	1,160	1,050	55.7	58,500
Vernon	250	150	58.0	8,700	48	100	100	53.0	5,300
S. W. District	**5,100**	**4,300**	**51.6**	**222,000**		**4,040**	**3,300**	**55.8**	**184,200**
Columbia	9,800	9,400	53.5	503,300	8	10,300	8,850	52.9	468,100
Dane	12,250	11,600	52.9	614,000	4	12,600	10,600	56.6	600,300
Dodge	14,050	12,950	52.8	683,300	2	13,940	12,100	51.2	619,400
Green	2,700	2,550	51.6	131,600	22	2,750	2,200	55.3	121,600
Jefferson	10,900	10,450	54.8	572,700	5	11,480	9,850	49.5	487,700
Rock	7,600	7,200	55.7	401,100	13	7,550	6,600	51.0	336,700
S. C. District	**57,300**	**54,150**	**53.7**	**2,906,000**		**58,620**	**50,200**	**52.5**	**2,633,800**
Kenosha	8,050	7,600	59.4	451,300	11	7,980	6,850	65.6	449,600
Milwaukee	900	900	60.0	54,000	29	1,100	1,000	59.0	59,000
Ozaukee	5,900	5,600	53.4	299,200	16	6,060	5,200	56.0	291,200
Racine	10,100	9,800	57.1	560,000	6	10,260	9,000	57.8	520,200
Walworth	9,400	9,000	55.4	498,400	9	9,580	8,350	52.5	438,100
Washington	7,900	7,450	54.3	404,300	12	8,320	7,150	52.8	377,600
Waukesha	5,000	4,650	50.9	236,800	17	5,260	4,350	52.0	226,100
S. E. District	**47,250**	**45,000**	**55.6**	**2,504,000**		**48,560**	**41,900**	**56.4**	**2,361,800**
State	**205,000**	**192,000**	**52.5**	**10,085,000**		**212,000**	**180,000**	**51.8**	**9,320,000**

*Tied.


ALL WHEAT
Production by County - 1990
Thous. Bushels
0 to 24.9
25 to 49.9
50 to 299.9
300 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Marinette
Lincoln
Langlade
Taylor
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Door
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Jackson
Outagamie
Trempealeau
Waushara
Winnebago
Calumet
Manitowoc
La Crosse
Monroe
Juneau
Adams
Marquette
Green Lake
Fond du Lac
Sheboygan
Vernon
Sauk
Columbia
Dodge
Ozaukee
Richland
Washington
Crawford
Dane
Jefferson
Milwaukee
Iowa
Waukesha
Grant
Lafayette
Green
Rock
Walworth
Racine
Kenosha

SPRING WHEAT: Acreage, Yield, and Production Wisconsin, 1983-90

Year	Acres		Yield per acre	Production
	Planted	Harvested		
	1,000		Bushels	1,000 bushels
1990	**10**	**7**	**40.0**	**280**
1989	12	10	31.0	310
1988	10	8	19.0	152
1987	30	28	33.0	924
1986	20	18	35.0	630
1985	20	17	40.0	680
1984	20	17	40.0	680
1983	28	23	29.0	667



WINTER WHEAT: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90

County	1990					1989			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Bushels			Acres		Bushels	
Barron	850	800	49.5	39,600	31	900	750	54.7	41,000
Bayfield	300	250	42.4	10,600	44	300	200	46.5	9,300
Burnett	100	100	34.0	3,400	58*	100	100	45.0	4,500
Chippewa	150	150	34.0	5,100	53	250	150	45.3	6,800
Douglas	100	100	47.0	4,700	56	100	100	45.0	4,500
Polk	650	600	45.5	27,300	38	500	500	49.8	24,900
Rusk	100	100	34.0	3,400	58*	200	100	46.0	4,600
Sawyer	50	50	34.0	1,700	66	50	50	46.0	2,300
Washburn	300	250	44.8	11,200	43	300	250	40.4	10,100
N. W. District	**2,600**	**2,400**	**44.6**	**107,000**		**2,700**	**2,200**	**49.1**	**108,000**
Ashland	200	150	39.3	5,900	50*	150	100	43.0	4,300
Clark	750	700	36.1	25,300	39	850	700	39.6	27,700
Iron	-	-	-	-	-	100	50	40.0	2,000
Lincoln	50	50	46.0	2,300	63	100	50	40.0	2,000
Marathon	1,150	1,050	48.0	50,400	28	1,000	900	46.7	42,000
Oneida	50	50	38.0	1,900	65	100	50	40.0	2,000
Price	-	-	-	-	-	100	50	40.0	2,000
Taylor	100	100	42.0	4,200	57	50	50	40.0	2,000
Vilas	-	-	-	-	-	50	50	40.0	2,000
N. C. District	**2,300**	**2,100**	**42.9**	**90,000**		**2,500**	**2,000**	**43.0**	**86,000**
Florence	-	-	-	-	-	200	150	45.3	6,800
Forest	50	50	40.0	2,000	64	100	50	44.0	2,200
Langlade	500	500	48.0	24,000	40	350	300	46.0	13,800
Marinette	1,400	1,350	45.8	61,800	25	1,300	1,200	51.4	61,700
Oconto	1,650	1,600	44.8	71,700	23	1,800	1,500	47.3	71,000
Shawano	700	700	47.9	33,500	32	750	600	47.5	28,500
N. E. District	**4,300**	**4,200**	**46.0**	**193,000**		**4,500**	**3,800**	**48.4**	**184,000**
Buffalo	250	200	51.5	10,300	45	200	150	48.7	7,300
Dunn	150	100	48.0	4,800	55	100	100	46.0	4,600
Eau Claire	950	900	31.0	27,900	37	1,200	1,100	37.7	41,500
Jackson	100	100	52.0	5,200	52	100	100	40.0	4,000
La Crosse	100	100	31.0	3,100	60*	100	100	40.0	4,000
Monroe	100	100	31.0	3,100	60*	100	100	40.0	4,000
Pepin	-	-	-	-	-	100	100	40.0	4,000
Pierce	650	600	52.3	31,400	35	550	450	46.4	20,900
St. Croix	1,100	1,000	47.1	47,100	29	1,000	900	45.2	40,700
Trempealeau	100	100	31.0	3,100	60*	150	100	40.0	4,000
W. C. District	**3,500**	**3,200**	**42.5**	**136,000**		**3,600**	**3,200**	**42.2**	**135,000**
Adams	200	150	39.3	5,900	50*	500	200	48.0	9,600
Green Lake	4,400	3,700	50.8	188,000	19	3,800	3,500	51.4	180,000
Juneau	300	250	47.2	11,800	42	300	200	45.5	9,100
Marquette	200	200	46.0	9,200	47	300	200	37.5	7,500
Portage	300	300	34.0	10,200	46	500	350	40.3	14,100
Waupaca	1,200	1,000	45.1	45,100	30	3,500	1,000	48.1	48,100
Waushara	800	650	43.2	28,100	36	900	600	41.7	25,000
Wood	200	150	44.7	6,700	49	200	150	44.0	6,600
C. District	**7,600**	**6,400**	**47.7**	**305,000**		**10,000**	**6,200**	**48.4**	**300,000**
Brown	4,600	4,400	50.0	220,000	18	4,500	4,000	52.5	210,000
Calumet	6,600	6,300	51.0	321,000	14	6,800	5,900	54.2	320,000
Door	3,400	3,300	52.7	174,000	20	3,400	3,000	46.0	138,000
Fond du Lac	14,900	13,900	51.8	720,000	1	15,000	13,100	50.0	655,000
Kewaunee	3,300	3,000	52.3	157,000	21	3,100	2,700	56.7	153,000
Manitowoc	9,600	9,400	52.7	495,000	8*	9,600	8,500	57.6	490,000
Outagamie	6,200	5,800	51.0	296,000	15	6,300	5,500	48.2	265,000
Sheboygan	11,000	10,800	55.5	599,000	3	11,400	10,000	52.8	528,000
Winnebago	9,300	9,000	50.8	457,000	10	9,900	8,300	45.9	381,000
E. C. District	**68,900**	**65,900**	**52.2**	**3,439,000**		**70,000**	**61,000**	**51.5**	**3,140,000**

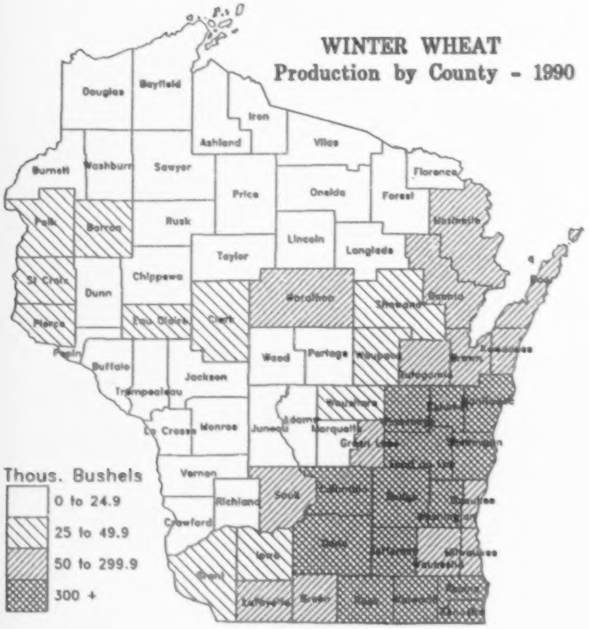
WINTER WHEAT: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90, Continued

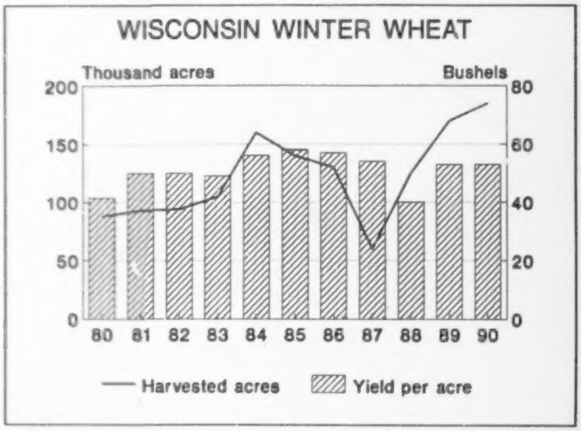
County	1990					1989			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Bushels			Acres		Bushels	
Crawford	100	100	50.0	5,000	54	100	100	52.0	5,200
Grant	650	600	55.3	33,200	33	800	600	60.8	36,500
Iowa	650	600	53.0	31,800	34	500	400	55.3	22,100
Lafayette	1,500	1,200	52.3	62,700	24	700	500	60.0	30,000
Richland	350	350	44.6	15,600	41	400	300	63.7	19,100
Sauk	1,300	1,100	52.7	58,000	26	1,100	1,000	56.8	56,800
Vernon	250	150	58.0	8,700	48	100	100	53.0	5,300
S. W. District	**4,800**	**4,100**	**52.4**	**215,000**		**3,700**	**3,000**	**58.3**	**175,000**
Columbia	9,500	9,200	54.0	497,000	7	9,900	8,500	54.1	460,000
Dane	11,500	11,100	53.7	596,000	4	11,600	9,800	58.2	570,000
Dodge	13,700	12,700	53.1	674,000	2	13,600	11,800	51.7	610,000
Green	2,500	2,400	52.5	126,000	22	2,500	2,000	56.0	112,000
Jefferson	10,500	10,200	55.3	564,000	5	11,200	9,600	50.0	480,000
Rock	7,300	7,000	56.1	393,000	13	7,200	6,300	52.4	330,000
S. C. District	**55,000**	**52,600**	**54.2**	**2,850,000**		**56,000**	**48,000**	**53.4**	**2,562,000**
Kenosha	7,900	7,500	59.7	448,000	11	7,800	6,700	66.6	446,000
Milwaukee	900	900	60.0	54,000	27	1,100	1,000	59.0	59,000
Ozaukee	5,600	5,400	54.1	292,000	16	5,800	5,000	57.0	285,000
Racine	9,700	9,500	57.6	547,000	6	9,700	8,500	58.8	500,000
Walworth	9,300	8,900	55.6	495,000	8*	9,400	8,200	53.0	435,000
Washington	7,700	7,300	54.7	399,000	12	8,000	6,900	53.6	370,000
Waukesha	4,900	4,600	51.1	235,000	17	5,200	4,300	52.3	225,000
S. E. District	**46,000**	**44,100**	**56.0**	**2,470,000**		**47,000**	**40,600**	**57.1**	**2,320,000**
State	**195,000**	**185,000**	**53.0**	**9,805,000**		**200,000**	**170,000**	**53.0**	**9,010,000**

*Tied.

WINTER WHEAT: Acreage, Yield, and Production Wisconsin, 1983-90

Year	Acres		Yield per acre	Production
	Planted	Harvested		
	1,000		Bushels	1,000 bushels
1990	**195**	**185**	**53.0**	**9,805**
1989	200	170	53.0	9,010
1988	140	125	40.0	5,000
1987	85	60	54.0	3,240
1986	140	130	57.0	7,410
1985	150	140	58.0	8,120
1984	170	160	56.0	8,960
1983	120	105	49.0	5,145


WINTER WHEAT
Production by County - 1990
Thous. Bushels
0 to 24.9
25 to 49.9
50 to 299.9
300 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Marinette
Lincoln
Langlade
Taylor
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Door
Clark
Eau Claire
Pierce
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Outagamie
Jackson
Trempealeau
Waushara
Winnebago
Calumet
Manitowoc
La Crosse
Monroe
Juneau
Adams
Marquette
Green Lake
Fond du Lac
Sheboygan
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Iowa
Dane
Jefferson
Waukesha
Milwaukee
Grant
Lafayette
Green
Rock
Walworth
Racine
Kenosha



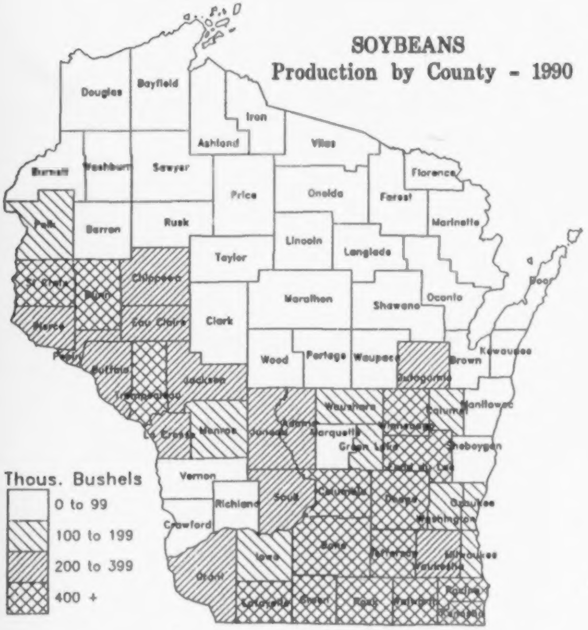
SOYBEANS: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90

County	1990					1989			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Bushels			Acres		Bushels	
Barron	2,200	2,100	34.7	72,900	44	2,050	1,900	30.4	57,800
Bayfield	50	50	24.0	1,200	64 *	50	50	22.0	1,100
Burnett	2,000	1,950	30.3	59,000	46	2,000	1,900	24.2	46,000
Chippewa	7,400	7,200	32.4	233,600	25	7,250	7,200	27.5	198,000
Douglas	-	-	-	-	-	-	-	-	-
Polk	5,000	4,800	34.0	163,000	29	4,950	4,800	27.9	134,000
Rusk	100	100	25.0	2,500	62	50	50	22.0	1,100
Sawyer	400	350	25.1	8,800	57	200	200	20.0	4,000
Washburn	150	150	20.0	3,000	60	250	200	20.0	4,000
N. W. District	**17,300**	**16,700**	**32.6**	**544,000**		**16,800**	**16,300**	**27.4**	**446,000**
Ashland	50	50	24.0	1,200	64 *	-	-	-	
Clark	1,350	1,250	32.3	40,400	51	1,200	1,000	26.2	26,200
Iron	50	50	32.0	1,600	63	-	-	-	-
Lincoln	50	50	24.0	1,200	64 *	50	50	20.0	1,000
Marathon	1,400	1,300	32.9	42,800	49	1,150	950	24.0	22,800
Oneida	-	-	-	-	-	-	-	-	-
Price	-	-	-	-	-	-	-	-	-
Taylor	100	100	29.0	2,900	61	100	100	20.0	2,000
Vilas	100	100	39.0	3,900	58	-	-	-	-
N. C. District	**3,100**	**2,900**	**32.4**	**94,000**		**2,500**	**2,100**	**24.8**	**52,000**
Florence	-	-	-	-	-	-	-	-	-
Forest	-	-	-	-	-	-	-	-	-
Langlade	950	900	40.8	36,700	52	850	800	44.6	35,700
Marinette	100	100	36.0	3,600	59	150	100	28.0	2,800
Oconto	400	400	28.0	11,200	56	400	250	27.6	6,900
Shawano	1,150	1,100	38.6	42,500	50	1,000	850	31.3	26,600
N. E. District	**2,600**	**2,500**	**37.6**	**94,000**		**2,400**	**2,000**	**36.0**	**72,000**
Buffalo	6,400	6,200	37.7	234,000	24	5,900	5,800	31.9	185,000
Dunn	15,900	15,500	36.6	568,000	9	15,000	14,800	32.1	475,000
Eau Claire	9,100	8,800	38.9	342,000	19	7,700	7,600	31.6	240,000
Jackson	7,400	7,200	36.7	264,000	22	6,500	6,400	33.1	212,000
La Crosse	5,400	5,300	38.7	205,000	28	5,100	5,000	37.0	185,000
Monroe	3,700	3,600	39.2	141,000	32	3,100	3,000	37.3	112,000
Pepin	7,500	7,300	37.0	270,000	21	6,700	6,600	31.4	207,000
Pierce	9,500	9,300	37.7	351,000	18	8,900	8,800	35.8	315,000
St. Croix	16,300	15,800	37.0	585,000	8	14,600	14,400	33.5	483,000
Trempealeau	14,100	13,700	39.0	534,000	10	11,900	11,600	33.3	386,000
W. C. District	**95,300**	**92,700**	**37.7**	**3,494,000**		**85,400**	**84,000**	**33.3**	**2,800,000**
Adams	8,900	8,600	35.9	309,000	20	9,600	9,400	34.5	324,000
Green Lake	3,600	3,500	34.6	121,000	36	3,800	3,600	34.7	125,000
Juneau	6,900	6,700	36.4	244,000	23	6,900	6,800	36.5	248,000
Marquette	2,300	2,200	35.9	79,000	41 *	1,900	1,800	41.2	74,200
Portage	1,600	1,500	34.7	52,000	47	1,700	1,600	32.6	52,100
Waupaca	2,500	2,400	34.6	83,000	39	2,200	2,000	39.5	79,000
Waushara	4,700	4,500	33.8	152,000	30	4,900	4,700	35.1	165,000
Wood	2,100	2,000	41.0	82,000	40	2,100	2,000	31.4	62,700
C. District	**32,600**	**31,400**	**35.7**	**1,122,000**		**33,100**	**31,900**	**35.4**	**1,130,000**
Brown	1,300	1,250	36.8	46,000	48	1,100	1,100	28.2	31,000
Calumet	4,000	3,900	37.9	148,000	31	4,100	3,900	30.5	119,000
Door	450	400	28.8	11,500	55	280	200	27.0	5,400
Fond du Lac	11,700	11,350	39.3	446,000	14	10,900	10,600	34.8	369,000
Kewaunee	650	600	35.8	21,500	54	350	300	30.0	9,000
Manitowoc	2,300	2,200	35.9	79,000	41 *	2,300	2,200	29.8	65,600
Outagamie	6,000	5,900	36.9	218,000	27	4,370	4,200	33.8	142,000
Sheboygan	2,500	2,400	37.9	91,000	38	1,850	1,800	33.3	60,000
Winnebago	11,500	11,100	36.8	409,000	15	11,550	11,300	33.5	379,000
E. C. District	**40,400**	**39,100**	**37.6**	**1,470,000**		**36,800**	**35,600**	**33.1**	**1,180,000**

SOYBEANS: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90, Continued

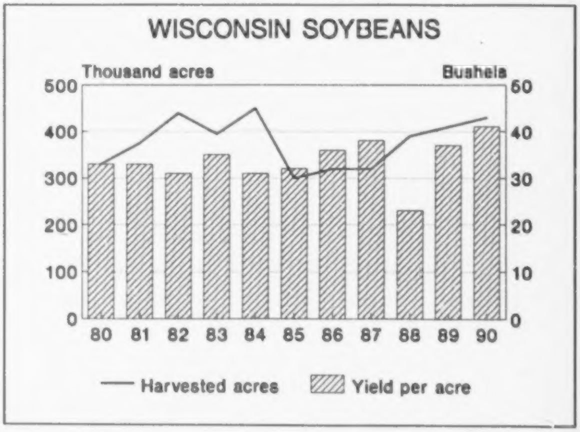
County	1990					1989			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Bushels			Acres		Bushels	
Crawford	1,450	1,400	55.7	78,000	43	1,550	1,500	42.1	63,100
Grant	4,600	4,500	50.4	227,000	26	4,300	4,200	42.1	177,000
Iowa	3,100	3,000	46.3	139,000	33	2,900	2,800	40.5	113,500
Lafayette	9,800	9,600	48.6	467,000	11	9,650	9,300	43.5	405,000
Richland	1,600	1,500	44.7	67,000	45	1,450	1,400	35.5	49,700
Sauk	9,000	8,800	44.9	395,000	16	8,400	8,200	42.3	347,000
Vernon	750	700	47.1	33,000	53	650	600	41.2	24,700
S. W. District	**30,300**	**29,500**	**47.7**	**1,406,000**		**28,900**	**28,000**	**42.1**	**1,180,000**
Columbia	15,500	15,400	44.7	689,000	7	15,300	14,900	39.3	586,000
Dane	20,100	19,900	45.5	906,000	4	20,400	19,600	41.8	820,000
Dodge	10,300	10,200	45.4	463,000	12 *	10,200	9,800	39.5	387,000
Green	11,700	11,300	41.0	463,000	12 *	10,700	10,300	36.9	380,000
Jefferson	17,300	17,100	45.1	772,000	5	16,900	16,400	40.1	657,000
Rock	46,600	46,000	46.1	2,122,000	1	45,500	45,000	41.1	1,850,000
S. C. District	**121,500**	**119,900**	**45.2**	**5,415,000**		**119,000**	**116,000**	**40.3**	**4,680,000**
Kenosha	17,700	17,400	42.2	734,000	6	17,400	17,300	39.0	675,000
Milwaukee	3,500	3,400	38.5	131,000	34	3,700	3,600	37.8	136,000
Ozaukee	3,100	3,000	40.0	120,000	37	3,000	2,900	39.7	115,000
Racine	30,300	29,800	40.2	1,199,000	3	29,800	29,500	37.3	1,100,000
Walworth	30,400	30,000	44.3	1,329,000	2	29,900	29,700	40.4	1,200,000
Washington	3,300	3,200	38.1	122,000	35	3,200	3,100	34.2	106,000
Waukesha	8,600	8,500	41.9	356,000	17	8,100	8,000	37.3	298,000
S. E. District	**96,900**	**95,300**	**41.9**	**3,991,000**		**95,100**	**94,100**	**38.6**	**3,630,000**
State	**440,000**	**430,000**	**41.0**	**17,630,000**		**420,000**	**410,000**	**37.0**	**15,170,000**

*Tied.


SOYBEANS
Production by County - 1990
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Marinette
Lincoln
Langlade
Taylor
St Croix
Dunn
Chippewa
Door
Marathon
Shawano
Oconto
Pierce
Eau Claire
Clark
Kewaunee
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Outagamie
Jackson
Trempealeau
Waushara
Calumet
Manitowoc
Adams
La Crosse
Monroe
Juneau
Marquette
Winnebago
Green Lake
Sheboygan
Fond du Lac
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Dane
Jefferson
Milwaukee
Iowa
Waukesha
Grant
Lafayette
Green
Rock
Walworth
Racine
Kenosha
Thous. Bushels
0 to 99
100 to 199
200 to 399
400 +

SOYBEANS FOR BEANS
Acreage, Yield, and Production, Wisconsin, 1983-90

Year	Acres		Yield per acre	Production
	Planted	Harvested		
	1,000		Bushels	1,000 bushels
1990	**440**	**430**	**41.0**	**17,630**
1989	420	410	37.0	15,170
1988	430	390	23.0	8,970
1987	330	320	38.0	12,160
1986	330	320	36.0	11,520
1985	350	300	32.0	9,600
1984	480	450	31.0	13,950
1983	400	395	35.0	13,825


WISCONSIN SOYBEANS

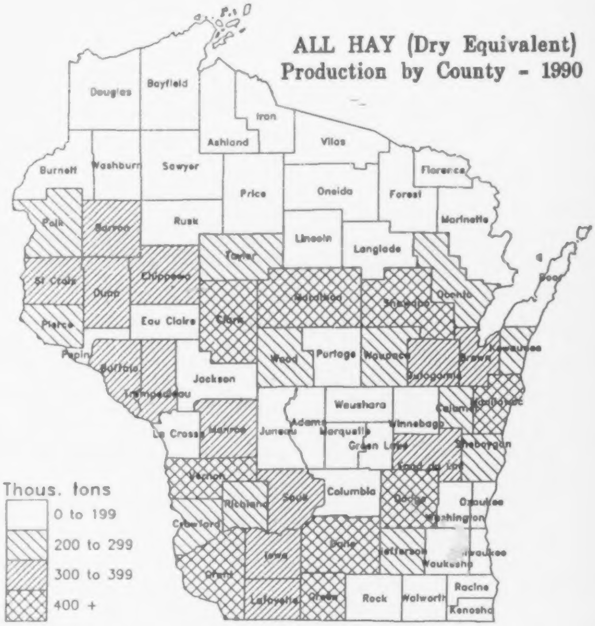
ALL HAY: Acreage, Yield, and Production (Dry Equivalent), By Counties, Wisconsin, 1989-90 1/

County	1990				1989		
	Acres harvested	Yield per acre	Production 2/		Acres harvested	Yield per acre	Production 2/
			Quantity	Rank			
	Acres	Tons			Acres	Tons	
Barron	110,200	3.2	347,700	16	121,100	3.3	396,800
Bayfield	40,300	2.5	102,600	51	45,100	2.6	116,300
Burnett	27,300	2.4	66,000	59	27,700	2.3	64,700
Chippewa	116,800	3.2	369,300	14	125,500	3.2	396,800
Douglas	26,600	2.1	54,900	62	29,000	2.1	60,700
Polk	88,000	2.9	255,100	27	92,700	2.9	267,500
Rusk	52,300	2.9	149,800	44	57,700	3.0	170,800
Sawyer	11,600	2.6	29,700	65	12,200	2.3	28,000
Washburn	26,000	2.6	66,600	58	28,100	2.4	68,400
N. W. District	**499,100**	**2.9**	**1,441,700**		**539,100**	**2.9**	**1,570,000**
Ashland	21,500	2.4	52,200	63	23,500	2.4	56,200
Clark	135,600	3.5	468,600	3	146,500	3.3	484,700
Iron	3,700	2.5	9,100	69	3,300	2.4	7,900
Lincoln	35,600	3.2	114,500	47	35,100	2.8	99,200
Marathon	189,700	3.5	667,400	1	202,400	3.3	674,700
Oneida	4,600	2.4	11,100	68	4,700	2.7	12,600
Price	35,100	2.8	98,300	54	38,200	3.0	114,500
Taylor	74,000	3.2	233,500	31	81,100	3.0	244,200
Vilas	1,000	2.2	2,200	71	800	2.5	2,000
N. C. District	**500,800**	**3.3**	**1,656,900**		**535,600**	**3.2**	**1,696,000**
Florence	5,300	2.9	15,500	67	4,900	3.3	16,400
Forest	8,000	2.7	21,400	66	8,200	2.0	16,100
Langlade	33,100	3.3	109,000	49	34,500	2.8	98,100
Marinette	51,800	3.4	176,200	41	52,100	2.9	149,300
Oconto	70,300	3.6	254,400	28	71,100	3.0	214,200
Shawano	108,000	3.8	407,600	8	106,900	3.1	332,900
N. E. District	**276,500**	**3.6**	**984,100**		**277,700**	**3.0**	**827,000**
Buffalo	81,000	4.0	326,300	21	85,400	3.6	310,800
Dunn	88,600	3.9	342,400	18	94,300	3.7	353,600
Eau Claire	51,800	3.8	197,400	36	56,000	3.3	185,000
Jackson	51,400	3.9	198,400	35	54,800	3.5	189,400
La Crosse	40,700	3.8	156,400	43	42,700	3.3	142,800
Monroe	84,000	3.9	328,900	20	89,000	3.6	323,800
Pepin	26,800	4.1	109,800	48	27,800	3.7	103,300
Pierce	59,900	4.1	243,700	29	61,000	3.8	231,800
St. Croix	80,900	3.8	307,700	22	88,900	3.6	319,200
Trempealeau	94,100	3.9	371,200	12	101,400	3.4	342,300
W. C. District	**659,200**	**3.9**	**2,582,200**		**701,300**	**3.6**	**2,502,000**
Adams	19,500	3.1	61,200	60	20,500	2.6	54,200
Green Lake	27,500	3.7	102,100	52	27,900	3.4	94,900
Juneau	37,700	3.8	142,100	46	39,600	3.2	127,800
Marquette	28,200	3.7	104,600	50	28,300	3.0	86,100
Portage	44,900	3.3	147,000	45	47,600	2.9	139,000
Waupaca	76,200	3.9	296,600	23	80,800	3.3	270,500
Waushara	25,500	3.5	89,800	57	25,400	3.1	77,600
Wood	62,400	3.6	223,200	33	71,000	3.3	231,900
C. District	**321,900**	**3.6**	**1,166,600**		**341,100**	**3.2**	**1,082,000**
Brown	83,000	4.0	335,700	19	89,500	3.7	327,500
Calumet	62,200	4.2	263,400	26	68,200	3.7	252,700
Door	48,100	3.6	174,400	42	50,600	3.2	159,700
Fond du Lac	87,800	4.1	361,800	15	95,300	3.7	355,300
Kewaunee	66,000	4.4	292,400	24	71,300	3.8	268,100
Manitowoc	101,400	4.3	434,700	6	109,400	3.6	397,400
Outagamie	80,600	4.3	342,600	17	85,800	3.7	320,400
Sheboygan	60,000	4.0	238,800	30	63,400	3.7	233,500
Winnebago	44,400	4.3	191,400	33	46,600	3.7	173,400
E. C. District	**633,500**	**4.2**	**2,635,200**		**680,100**	**3.7**	**2,488,000**

ALL HAY: Acreage, Yield, and Production (Dry Equivalent), By Counties, Wisconsin, 1989-90 1/, Continued

County	1990				1989		
	Acres harvested	Yield per acre	Production 2/		Acres harvested	Yield per acre	Production 2/
			Quantity	Rank			
	Acres	Tons			Acres	Tons	
Crawford	60,400	3.8	232,200	32	62,000	3.0	183,500
Grant	136,300	4.3	581,000	2	147,000	3.1	461,300
Iowa	93,600	4.2	397,500	10	99,000	3.0	293,400
Lafayette	81,000	4.6	370 100	13	85,500	3.1	268,100
Richland	70,300	3.9	276,000	25	72,800	3.1	223,300
Sauk	87,400	4.4	383,000	11	94,300	3.4	316,200
Vernon	113,700	4.0	450,900	4	124,700	3.1	391,200
S. W. District	**642,700**	**4.2**	**2,690,700**		**685,300**	**3.1**	**2,137,000**
Columbia	44,500	4.3	192,600	37	52,000	3.5	183,800
Dane	101,600	4.4	444,900	5	120,800	3.6	430,400
Dodge	87,900	4.6	402,500	9	106,700	3.6	387,900
Green	98,500	4.4	430,100	7	119,600	3.3	395,900
Jefferson	47,100	4.3	204,200	34	52,700	3.5	184,300
Rock	40,000	4.4	176,800	40	45,700	3.4	155,700
S. C. District	**419,600**	**4.4**	**1,851,100**		**497,500**	**3.5**	**1,738,000**
Kenosha	11,400	4.4	50,500	64	12,100	3.8	46,420
Milwaukee	1,100	4.2	4,600	70	1,300	3.7	4,840
Ozaukee	21,400	4.6	98,200	55	21,500	4.0	84,960
Racine	13,300	4.6	60,700	61	13,400	3.8	51,260
Walworth	24,000	4.2	101,400	53	24,800	3.9	95,840
Washington	41,800	4.4	183,200	39	43,800	4.0	176,180
Waukesha	23,700	4.1	97,900	56	25,400	3.6	90,500
S. E. District	**136,700**	**4.4**	**596,500**		**142,300**	**3.9**	**550,000**
State	**4,090,000**	**3.8**	**15,605,000**		**4,400,000**	**3.3**	**14,590,000**

1/All hay production includes all forms of harvested hay on a dry equivalent basis. Several assumptions are made to convert haylage and green chop to a dry equivalent. Haylage production estimates were set at the reported haylage weight at harvest and then converted to dry equivalent production. Factors used were: one ton of dry, baled hay = .87 ton dry matter; one ton of haylage = .50 ton dry matter; one ton of green chop = .25 ton dry matter; green chop = 25% of haylage production; other haylage = 75% of haylage production; all hay production is at a dry equivalent of 13% moisture. 2/All hay production is the sum of the following dry equivalents: a) dry alfalfa, b) dry other hay, c) haylage harvested from dry hay acres, d) alfalfa haylage from alfalfa haylage only acres, and e) other hay haylage from other hay haylage only acres.


ALL HAY (Dry Equivalent) Production by County - 1990
Thous. tons
0 to 199
200 to 299
300 to 399
400 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Marinette
Polk
Barron
Rusk
Lincoln
Langlade
Taylor
Door
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Outagamie
Brown
Kewaunee
Trempealeau
Jackson
Waushara
Winnebago
Calumet
Manitowoc
Adams
Marquette
Green Lake
La Crosse
Monroe
Juneau
Fond du Lac
Sheboygan
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Iowa
Dane
Jefferson
Waukesha
Milwaukee
Grant
Lafayette
Green
Rock
Walworth
Racine
Kenosha

ALL HAY
Acreage, Yield and Production (Dry Equivalent) Wisconsin, 1983-90

Year	Acres harvested	Yield per acre	Production
	1,000	Tons	1,000 tons
1990	**4,090**	**3.8**	**15,605**
1989 1/	4,400	3.3	14,590
1988	3,780	2.2	8,291
1987	3,450	4.4	15,265
1986	3,750	4.9	18,402
1985	3,650	4.7	17,184
1984	3,700	4.7	17,374
1983	3,800	4.6	17,563

1/Beginning with 1989, acreage estimates include an allowance for acres cut only for haylage or green chop.

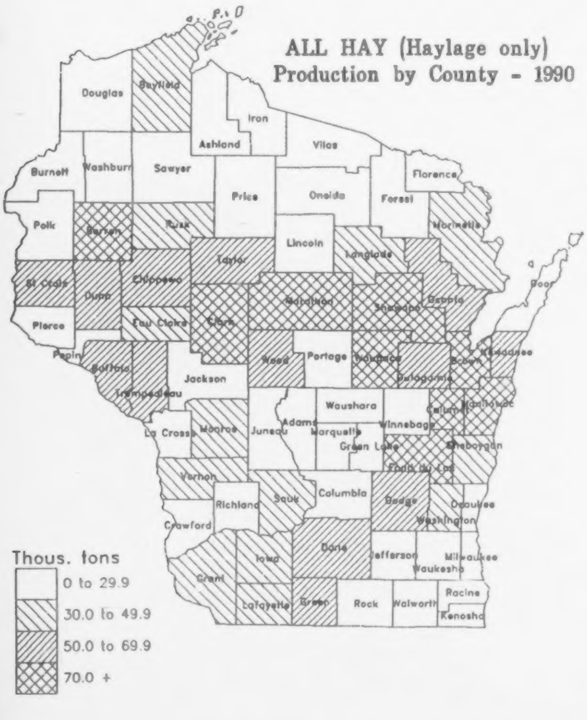
ALL HAY (HAYLAGE ONLY): Acreage, Yield, and Production (Dry Equivalent), By Counties, Wisconsin, 1989-90 1/

County	1990				1989		
	Acres harvested	Yield per acre	Production		Acres harvested	Yield per acre	Production
			Quantity	Rank			
	Acres	Tons			Acres	Tons	
Barron	22,000	3.4	74,200	6	29,500	2.9	85,300
Bayfield	10,800	3.3	36,100	28	13,100	2.7	34,900
Burnett	1,500	2.9	4,400	64	1,100	2.5	2,800
Chippewa	18,100	3.5	62,500	15	22,600	3.0	68,700
Douglas	4,200	2.9	12,300	53	4,500	2.1	9,500
Polk	7,100	3.7	26,200	38	8,500	2.9	24,900
Rusk	9,700	3.5	33,900	30	11,800	2.9	34,300
Sawyer	1,100	2.6	2,900	67	1,000	3.2	3,200
Washburn	4,600	3.5	16,200	48	6,000	2.7	16,400
N. W. District	**79,100**	**3.4**	**268,700**		**98,100**	**2.9**	**280,000**
Ashland	4,200	3.2	13,300	52	4,100	2.7	11,200
Clark	32,600	3.6	116,600	3	34,400	2.9	100,700
Iron	800	2.5	2,000	69	100	3.0	300
Lincoln	4,200	3.5	14,900	50	2,300	3.0	6,800
Marathon	51,700	3.5	182,400	1	56,700	2.9	165,200
Oneida	1,100	3.7	4,100	65	1,300	3.6	4,700
Price	6,600	3.4	22,300	43	6,100	3.1	19,000
Taylor	17,500	3.3	57,000	19	17,600	2.7	47,100
Vilas	100	3.0	300	71	-	-	-
N. C. District	**118,800**	**3.5**	**412,900**		**122,600**	**2.9**	**355,000**
Florence	1,300	2.9	3,800	66	700	3.0	2,100
Forest	900	3.1	2,800	68	500	2.8	1,400
Langlade	9,700	3.6	35,300	29	8,500	3.1	26,200
Marinette	11,900	3.8	45,800	24	9,600	3.0	29,200
Oconto	14,900	4.2	62,700	14	12,800	3.0	38,500
Shawano	23,800	4.1	96,700	5	20,600	3.0	61,600
N. E. District	**62,500**	**4.0**	**247,100**		**52,700**	**3.0**	**159,000**
Buffalo	16,300	3.8	61,600	17	17,900	3.2	57,500
Dunn	16,900	3.6	61,300	18	16,700	3.4	56,300
Eau Claire	8,000	3.8	30,600	35	9,400	3.3	31,300
Jackson	6,700	3.7	24,800	41	7,800	3.3	26,100
La Crosse	2,600	3.6	9,300	62	2,300	3.2	7,300
Monroe	7,200	4.4	31,400	34	7,900	3.5	27,700
Pepin	4,400	4.3	18,800	45	4,500	3.1	14,100
Pierce	6,900	3.9	26,800	36	6,000	3.1	18,800
St. Croix	16,200	3.9	63,400	12	17,900	3.3	58,800
Trempealeau	14,000	3.9	54,200	20	15,900	3.2	50,100
W. C. District	**99,200**	**3.9**	**382,200**		**106,300**	**3.3**	**348,000**
Adams	1,700	4.0	6,800	63	1,900	2.5	4,800
Green Lake	2,500	3.8	9,500	61	2,600	3.7	9,600
Juneau	5,600	3.5	19,500	44	6,100	3.3	19,900
Marquette	2,800	3.5	9,700	60	3,000	3.5	10,400
Portage	7,500	3.5	26,500	37	7,600	3.2	24,100
Waupaca	19,700	3.7	73,700	7	21,800	2.8	62,000
Waushara	3,300	3.5	11,500	57	2,100	3.5	7,300
Wood	15,800	3.9	62,400	16	18,000	3.3	59,900
C. District	**58,900**	**3.7**	**219,600**		**63,100**	**3.1**	**198,000**
Brown	24,000	4.3	102,600	4	27,600	3.5	95,600
Calumet	18,500	3.9	72,800	8	22,400	3.3	73,700
Door	6,800	3.7	25,200	40	8,400	3.1	25,700
Fond du Lac	17,300	4.1	70,400	9	20,700	3.1	63,900
Kewaunee	15,900	4.2	66,500	11	18,500	3.0	56,300
Manitowoc	31,500	4.0	124,600	2	36,900	3.1	116,200
Outagamie	17,400	3.9	68,600	10	20,100	3.3	66,000
Sheboygan	11,400	4.1	46,200	23	12,000	3.3	39,800
Winnebago	6,700	3.8	25,300	39	7,500	3.2	23,800
E. C. District	**149,500**	**4.0**	**602,200**		**174,100**	**3.2**	**561,000**

ALL HAY (HAYLAGE ONLY): Acreage, Yield, and Production (Dry Equivalent), By Counties, Wisconsin, 1989-90 1/

County	1990				1989		
	Acres harvested	Yield per acre	Production		Acres harvested	Yield per acre	Production
			Quantity	Rank			
	Acres	Tons			Acres	Tons	
Crawford	3,100	4.0	12,300	53*	4,600	3.1	14,200
Grant	10,900	4.1	44,500	26	17,100	3.1	52,800
Iowa	7,800	4.0	31,500	33	11,800	2.8	32,600
Lafayette	7,400	4.5	33,100	31	10,000	2.6	25,700
Richland	4,000	4.2	16,900	47	5,200	3.2	16,500
Sauk	10,700	4.2	45,400	25	15,800	3.2	49,800
Vernon	9,800	4.0	39,000	27	15,800	3.2	50,400
S. W. District	**53,700**	**4.1**	**222,700**		**80,300**	**3.0**	**242,000**
Columbia	3,700	4.9	18,100	46	6,500	3.2	21,100
Dane	12,400	4.2	52,200	21	21,700	3.6	78,100
Dodge	13,600	4.7	63,400	12*	22,700	3.4	76,600
Green	12,500	4.1	51,600	22	22,800	2.8	64,300
Jefferson	2,300	4.5	10,400	58*	3,400	3.8	12,900
Rock	3,100	4.3	13,400	51	4,400	3.2	14,000
S. C. District	**47,600**	**4.4**	**209,100**		**81,500**	**3.3**	**267,000**
Kenosha	2,000	5.2	10,400	58*	2,200	3.1	6,800
Milwaukee	200	4.0	800	70	200	3.0	600
Ozaukee	4,700	4.8	22,400	42	4,400	3.3	14,300
Racine	2,500	4.7	11,800	55	2,300	3.5	8,000
Walworth	3,100	5.1	15,700	49	3,100	3.4	10,600
Washington	6,000	5.3	31,700	32	6,300	4.0	25,200
Waukesha	2,200	5.3	11,700	56	2,800	3.4	9,500
S. E. District	**20,700**	**5.0**	**104,500**		**21,300**	**3.5**	**75,000**
State	**690,000**	**3.9**	**2,669,000**		**800,000**	**3.1**	**2,485,000**

*Tied. 1/Harvested acreage represents acres only harvested as green chop or haylage. Factors used were: one ton of dry, baled hay = .87 ton dry matter; one ton of haylage = .50 ton dry matter; one ton of green chop = .25 ton dry matter; green chop = 25% of haylage production; other haylage = 75% of haylage production; all hay production is at a dry equivalent of 13% moisture. A breakdown of alfalfa haylage only and other hay haylage only is available on request.


ALL HAY (Haylage only)
Production by County - 1990

Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Price
Oneida
Forest
Florence
Polk
Barron
Rusk
Lincoln
Langlade
Marinette
Taylor
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Door
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Jackson
Outagamie
Trempealeau
Waushara
Calumet
Manitowoc
La Crosse
Monroe
Juneau
Adams
Marquette
Winnebago
Green Lake
Sheboygan
Fond du Lac
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Iowa
Dane
Jefferson
Milwaukee
Waukesha
Grant
Lafayette
Green
Rock
Walworth
Racine
Kenosha
Thous. tons
0 to 29.9
30.0 to 49.9
50.0 to 69.9
70.0 +

HAYLAGE ONLY
Acreage, Yield, and Production (Dry Equivalent) Wisconsin, 1989-90

Year	Acres harvested	Yield per acre	Production
	1,000	Tons	1,000 tons
		ALL HAY	
1990	**690**	**3.9**	**2,669**
1989	800	3.1	2,486
		ALFALFA HAY	
1990	**600**	**4.0**	**2,420**
1989	700	3.2	2,260
		OTHER HAY	
1990	**90**	**2.8**	**249**
1989	100	2.3	225

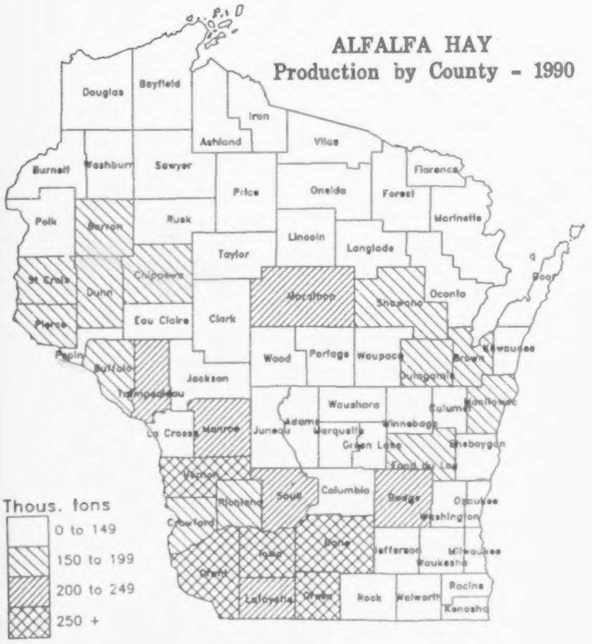
ALFALFA HAY: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90 1/

County	1990				1989		
	Acres harvested	Yield per acre	Production		Acres harvested	Yield per acre	Production
			Quantity	Rank			
	Acres	Tons			Acres	Tons	
Barron	76,000	2.1	162,000	22 *	78,000	2.2	173,000
Bayfield	12,700	1.9	24,000	62	13,200	2.6	33,800
Burnett	20,800	1.9	40,000	56	21,000	1.9	39,800
Chippewa	80,000	2.1	169,000	19	82,000	2.2	181,000
Douglas	9,700	2.0	19,300	63	10,100	1.9	19,000
Polk	69,000	2.1	145,000	26	70,600	2.1	148,000
Rusk	21,100	1.9	39,700	57	21,600	2.1	45,500
Sawyer	5,400	1.9	10,200	66	5,300	1.9	10,200
Washburn	15,300	1.9	28,800	59	15,200	2.0	29,700
N. W. District	**310,000**	**2.1**	**638,000**		**317,000**	**2.1**	**680,000**
Ashland	8,500	1.9	16,500	64	8,100	1.8	14,500
Clark	61,000	2.3	139,000	29	58,800	2.1	122,000
Iron	1,200	2.1	2,500	70	1,100	1.8	2,000
Lincoln	22,600	2.3	52,000	52	21,600	1.9	40,100
Marathon	99,000	2.3	230,000	8	96,000	2.1	204,000
Oneida	2,200	1.9	4,100	68	1,800	2.3	4,100
Price	12,600	2.2	27,600	61	11,800	2.1	24,600
Taylor	24,200	2.2	53,000	51	23,200	2.1	47,600
Vilas	700	1.9	1,300	71	600	1.8	1,100
N. C. District	**232,000**	**2.3**	**526,000**		**223,000**	**2.1**	**460,000**
Florence	3,300	2.1	6,800	67	3,300	2.4	7,900
Forest	5,200	2.2	11,200	65	5,200	1.8	9,300
Langlade	16,500	2.5	42,000	55	17,300	2.1	36,500
Marinette	36,000	2.3	84,000	43	37,500	1.9	70,300
Oconto	50,000	2.5	126,000	31	51,700	2.1	109,000
Shawano	79,000	2.5	194,000	14	80,000	2.0	162,000
N. E. District	**190,000**	**2.4**	**464,000**		**195,000**	**2.0**	**395,000**
Buffalo	62,000	2.9	178,000	17	63,700	2.5	157,000
Dunn	67,500	2.7	182,000	16	71,700	2.4	170,000
Eau Claire	41,000	2.9	120,000	34	43,000	2.3	101,000
Jackson	42,000	2.8	119,000	35	43,200	2.3	101,000
La Crosse	36,000	2.9	103,000	40	37,200	2.3	85,000
Monroe	73,000	2.8	203,000	11	76,000	2.4	181,000
Pepin	21,500	2.7	58,000	49	21,900	2.4	52,000
Pierce	50,000	3.0	151,000	24	51,200	2.6	132,000
St. Croix	57,000	2.9	165,000	20	61,100	2.4	148,000
Trempealeau	76,000	2.9	221,000	10	80,000	2.3	183,000
W. C. District	**526,000**	**2.9**	**1,500,000**		**549,000**	**2.4**	**1,310,000**
Adams	16,700	2.7	45,000	54	16,800	2.3	38,500
Green Lake	23,500	2.7	64,000	47	23,400	2.7	63,000
Juneau	29,900	2.7	82,000	44	30,500	2.4	72,000
Marquette	24,200	2.8	68,000	45	23,600	2.3	54,100
Portage	32,500	2.6	85,000	41 *	32,900	2.3	74,300
Waupaca	53,000	2.8	149,000	25	53,900	2.4	129,000
Waushara	19,900	2.7	54,000	50	20,000	2.5	50,600
Wood	30,300	2.8	85,000	41 *	30,900	2.4	73,500
C. District	**230,000**	**2.7**	**632,000**		**232,000**	**2.4**	**555,000**
Brown	57,000	2.8	162,000	22 *	59,300	2.6	154,000
Calumet	42,000	2.8	116,000	36	43,600	2.7	118,000
Door	40,000	2.9	115,000	37	40,600	2.4	99,000
Fond du Lac	68,000	2.9	199,000	12	71,600	2.6	185,000
Kewaunee	48,000	3.0	142,000	27 *	50,300	2.4	123,000
Manitowoc	67,000	3.0	198,000	13	69,100	2.5	176,000
Outagamie	61,000	2.9	176,000	18	63,100	2.5	157,000
Sheboygan	47,000	2.9	138,000	30	49,400	2.7	133,000
Winnebago	36,000	2.9	104,000	39	37,000	2.4	90,000
E. C. District	**466,000**	**2.9**	**1,350,000**		**484,000**	**2.6**	**1,235,000**

ALFALFA HAY: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90 1/, Continued

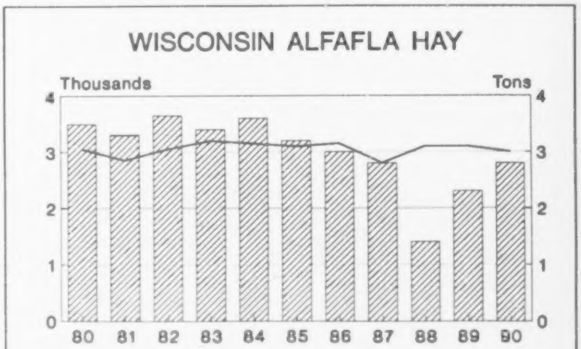
County	1990				1989		
	Acres harvested	Yield per acre	Production		Acres harvested	Yield per acre	Production
			Quantity	Rank			
	Acres	Tons			Acres	Tons	
Crawford	56,000	2.9	164,000	21	55,500	2.1	116,000
Grant	123,000	3.3	405,000	1	127,000	2.1	266,000
Iowa	84,000	3.3	273,000	3	85,000	2.0	168,000
Lafayette	72,000	3.3	234,000	6	73,300	2.0	145,000
Richland	64,000	2.9	185,000	15	64,600	2.0	127,000
Sauk	74,000	3.1	226,000	9	74,600	2.1	160,000
Vernon	101,000	3.0	303,000	2	105,000	2.1	223,000
S. W. District	**574,000**	**3.1**	**1,790,000**		**585,000**	**2.1**	**1,205,000**
Columbia	39,000	3.1	122,000	33	43,100	2.6	114,000
Dane	86,000	3.2	271,000	4	95,000	2.4	227,000
Dodge	72,000	3.2	231,000	7	81,000	2.5	205,000
Green	84,000	3.1	261,000	5	94,000	2.2	207,000
Jefferson	43,000	3.3	142,000	27 *	46,900	2.6	123,000
Rock	36,000	3.4	123,000	32	40,000	2.5	99,000
S. C. District	**360,000**	**3.2**	**1,150,000**		**400,000**	**2.4**	**975,000**
Kenosha	9,100	3.1	28,400	60	9,500	2.7	25,700
Milwaukee	800	3.3	2,600	69	900	3.2	2,900
Ozaukee	16,200	3.0	49,000	53	16,400	2.7	44,600
Racine	10,300	3.1	32,000	58	10,500	2.8	29,100
Walworth	20,100	3.0	60,000	48	20,500	2.8	57,500
Washington	34,600	3.2	111,000	38	35,600	2.7	97,000
Waukesha	20,900	3.2	67,000	46	21,600	2.7	58,200
S. E. District	**112,000**	**3.1**	**350,000**		**115,000**	**2.7**	**315,000**
State	**3,000,000**	**2.8**	**8,400,000**		**3,100,000**	**2.3**	**7,130,000**

*Tied. 1/Yield figures for this table include only alfalfa and alfalfa mixtures that were harvested as dry hay. Alfalfa harvested as green chop or silage is not included. For an estimate of per acre yields of forage in all forms (wet and dry), see the table for all hay.


ALFALFA HAY
Production by County - 1990
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Marinette
Polk
Barron
Rusk
Lincoln
Langlade
Taylor
Door
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Pierce
Eau Claire
Clark
Kewaunee
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Outagamie
Jackson
Trempealeau
Waushara
Calumet
Manitowoc
La Crosse
Monroe
Juneau
Adams
Marquette
Winnebago
Green Lake
Fond du Lac
Sheboygan
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Dane
Jefferson
Milwaukee
Waukesha
Iowa
Grant
Lafayette
Green
Rock
Walworth
Racine
Kenosha
Thous. tons
0 to 149
150 to 199
200 to 249
250 +

ALFALFA HAY: Acreage, Yield and Production Wisconsin, 1983-90

Year	Acres harvested	Yield per acre	Production
	1,000	Tons	1,000 tons
1990	**3,000**	**2.8**	**8,400**
1989	3,100	2.3	7,130
1988	3,100	1.4	4,340
1987	2,800	2.8	7,840
1986	3,150	3.0	9,450
1985	3,100	3.2	9,920
1984	3,150	3.6	11,340
1983	3,200	3.4	10,880



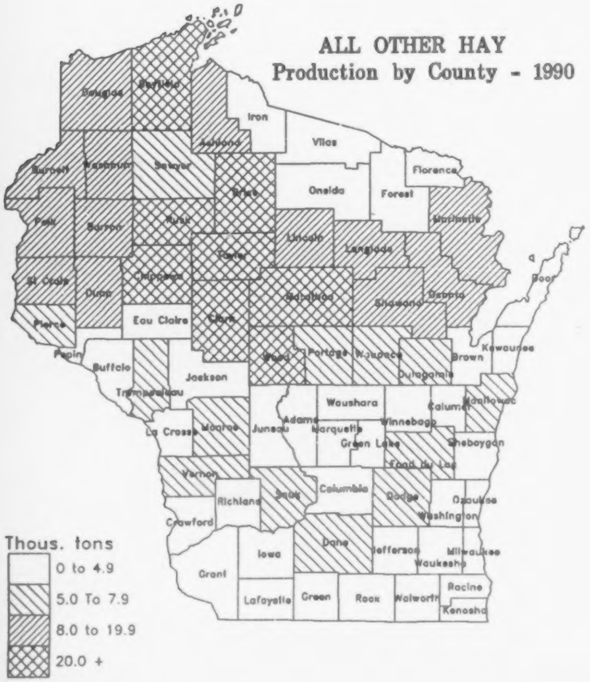
ALL OTHER HAY: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90 1/

County	1990				1989		
	Acres harvested	Yield per acre	Production		Acres harvested	Yield per acre	Production
			Quantity	Rank			
	Acres	Tons			Acres	Tons	
Barron	12,200	1.6	19,500	10	13,600	1.8	24,500
Bayfield	16,800	1.4	23,200	8	18,800	1.5	28,900
Burnett	5,000	1.7	8,400	20	5,600	1.8	9,800
Chippewa	18,700	1.8	33,800	5	20,900	1.9	39,100
Douglas	12,700	1.4	18,200	11	14,400	1.6	23,400
Polk	11,900	1.7	19,900	9	13,600	1.9	25,300
Rusk	21,500	1.6	35,200	4	24,300	1.8	43,000
Sawyer	5,100	1.5	7,600	23	5,900	1.5	8,900
Washburn	6,100	1.5	9,200	17	6,900	1.8	12,100
N. W. District	**110,000**	**1.6**	**175,000**		**124,000**	**1.7**	**215,000**
Ashland	8,800	1.6	14,500	13	11,300	1.7	19,000
Clark	42,000	1.9	78,000	2	53,300	1.9	100,000
Iron	1,700	1.7	2,900	55*	2,100	1.6	3,400
Lincoln	8,800	1.8	15,600	12	11,200	1.8	19,800
Marathon	39,000	2.1	83,000	1	49,700	1.9	96,500
Oneida	1,300	1.5	2,000	61	1,600	1.6	2,600
Price	15,900	1.7	26,800	7	20,300	1.7	34,200
Taylor	32,300	1.8	57,000	3	40,300	1.8	74,100
Vilas	200	1.0	200	70*	200	2.0	400
N. C. District	**150,000**	**1.9**	**280,000**		**190,000**	**1.8**	**350,000**
Florence	700	1.7	1,200	67*	900	1.7	1,500
Forest	1,900	1.6	3,000	52*	2,300	1.6	3,600
Langlade	6,900	1.9	13,400	15	8,800	1.8	16,100
Marinette	3,900	2.3	8,800	19	5,000	2.0	9,800
Oconto	5,400	1.8	9,700	16	6,700	1.6	10,700
Shawano	5,200	1.7	8,900	18	6,300	2.0	12,300
N. E. District	**24,000**	**1.9**	**45,000**		**30,000**	**1.8**	**54,000**
Buffalo	2,700	1.7	4,700	37*	3,800	2.2	8,300
Dunn	4,200	1.9	8,100	21	5,900	2.3	13,300
Eau Claire	2,800	1.7	4,800	36	3,600	2.0	7,300
Jackson	2,700	1.7	4,600	39	3,800	1.9	7,300
La Crosse	2,100	2.2	4,700	37*	3,200	2.4	7,800
Monroe	3,800	1.7	6,500	26	5,100	2.0	10,100
Pepin	900	1.6	1,400	65*	1,400	2.7	3,800
Pierce	3,000	2.0	5,900	29*	3,800	2.8	10,500
St. Croix	7,700	1.9	14,300	14	9,900	2.2	21,400
Trempealeau	4,100	1.7	7,000	24	5,500	2.2	12,200
W. C. District	**34,000**	**1.8**	**62,000**		**46,000**	**2.2**	**102,000**
Adams	1,100	1.9	2,100	59*	1,800	2.5	4,500
Green Lake	1,500	1.7	2,600	57	1,900	1.9	3,700
Juneau	2,200	1.8	3,900	43	3,000	1.9	5,700
Marquette	1,200	1.8	2,100	59*	1,700	2.1	3,500
Portage	4,900	1.6	7,900	22	7,100	1.8	12,800
Waupaca	3,500	1.7	5,900	29*	5,100	1.9	9,700
Waushara	2,300	1.6	3,700	44	3,300	1.9	6,300
Wood	16,300	1.7	27,800	6	22,100	2.0	43,800
C. District	**33,000**	**1.7**	**56,000**		**46,000**	**2.0**	**90,000**
Brown	2,000	2.1	4,100	41*	2,600	2.3	5,900
Calumet	1,700	2.1	3,600	45*	2,200	2.0	4,500
Door	1,300	1.7	2,200	58	1,600	2.1	3,400
Fond du Lac	2,500	2.6	6,400	27	3,000	2.1	6,400
Kewaunee	2,100	2.3	4,900	35	2,500	2.3	5,800
Manitowoc	2,900	2.1	6,100	28	3,400	2.1	7,200
Outagamie	2,200	2.3	5,000	34	2,600	2.1	5,400
Sheboygan	1,600	2.3	3,600	45*	2,000	2.7	5,400
Winnebago	1,700	1.8	3,100	50*	2,100	1.9	4,000
E. C. District	**18,000**	**2.2**	**39,000**		**22,000**	**2.2**	**48,000**

ALL OTHER HAY: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90 1/, Continued

County	1990				1989		
	Acres harvested	Yield per acre	Production		Acres harvested	Yield per acre	Production
			Quantity	Rank			
	Acres	Tons			Acres	Tons	
Crawford	1,300	2.2	2,900	55 *	1,900	2.2	4,100
Grant	2,400	1.9	4,500	40	2,900	1.9	5,500
Iowa	1,800	1.7	3,000	52 *	2,200	2.2	4,800
Lafayette	1,600	1.9	3,000	52 *	2,200	2.0	4,400
Richland	2,300	1.8	4,100	41 *	3,000	2.0	6,000
Sauk	2,700	2.1	5,600	32	3,900	1.9	7,400
Vernon	2,900	2.0	5,900	29 *	3,900	2.3	8,800
S. W. District	**15,000**	**1.9**	**29,000**		**20,000**	**2.1**	**41,000**
Columbia	1,800	1.9	3,500	47 *	2,400	2.4	5,800
Dane	3,200	2.1	6,700	25	4,100	2.3	9,300
Dodge	2,300	2.2	5,100	33	3,000	2.8	8,300
Green	2,000	1.8	3,500	47 *	2,800	2.0	5,600
Jefferson	1,800	1.9	3,500	47 *	2,400	2.3	5,500
Rock	900	1.9	1,700	63	1,300	2.7	3,500
S. C. District	**12,000**	**2.0**	**24,000**		**16,000**	**2.4**	**38,000**
Kenosha	300	2.3	700	69	400	1.6	620
Milwaukee	100	2.0	200	70 *	200	1.7	340
Ozaukee	500	2.4	1,200	67 *	700	1.9	1,360
Racine	500	3.0	1,500	64	600	2.1	1,260
Walworth	800	2.4	1,900	62	1,200	2.0	2,440
Washington	1,200	2.6	3,100	50 *	1,900	2.1	3,980
Waukesha	600	2.3	1,400	65 *	1,000	2.0	2,000
S. E. District	**4,000**	**2.5**	**10,000**		**6,000**	**2.0**	**12,000**
State	**400,000**	**1.8**	**720,000**		**500,000**	**1.9**	**950,000**

*Tied. 1/Includes yield figures for clover, timothy, grains, and all other grasses harvested as dry hay only. Other hay harvested as green chop or silage is not included. For an estimate of per acre yields of forage in all forms (wet and dry), see the table for all hay.


ALL OTHER HAY
Production by County - 1990

Douglas
Bayfield
Iron
Vilas
Ashland
Burnett
Washburn
Sawyer
Price
Oneida
Forest
Florence
Marinette
Polk
Barron
Rusk
Lincoln
Langlade
Taylor
Oconto
St Croix
Dunn
Chippewa
Marathon
Shawano
Door
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Outagamie
Jackson
Trempealeau
Manitowoc
Waushara
Calumet
Winnebago
Adams
Marquette
Juneau
Monroe
La Crosse
Green Lake
Sheboygan
Fond du Lac
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Dane
Jefferson
Milwaukee
Iowa
Waukesha
Grant
Racine
Lafayette
Green
Rock
Walworth
Kenosha
Thous. tons
0 to 4.9
5.0 To 7.9
8.0 to 19.9
20.0 +

ALL OTHER HAY: Acreage, Yield, and Production Wisconsin, 1983-90 1/

Year	Acres harvested	Yield per acre	Production
	1,000	Tons	1,000 tons
1990	**400**	**1.8**	**720**
1989	500	1.9	950
1988	680	.9	612
1987	650	2.0	1,300
1986	600	2.5	1,500
1985	550	2.4	1,320
1984	550	2.6	1,430
1983	600	2.2	1,320

1/Includes clover, timothy, and other types.

HAY STOCKS: Wisconsin, 1983-91

Year	Stocks Jan. 1	Percent of production 1/	Stocks May 1	Percent of production 1/
	1,000 tons	Percent	1,000	Percent tons
1991 2/	**7,022**	**77**	**2,371**	**26**
1990 2/	5,737	71	1,454	18
1989 2/	3,813	77	891	18
1988 2/	7,952	87	2,011	22
1987 2/	9,636	88	1,643	15
1986	7,306	65	1,124	10
1985	10,216	80	2,426	19
1984	8,662	71	2,196	18
1983	9,310	73	2,933	23

1/Previous year's production. 2/Hay stock survey reference date was changed from Jan. 1 to Dec. 1 beginning Dec. 1, 1986.

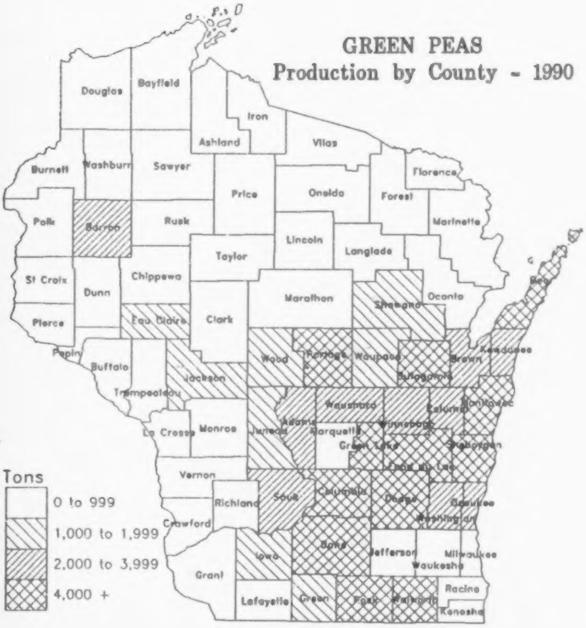
GREEN PEAS FOR PROCESSING: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90

County	1990					1989			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Tons			Acres		Tons	
Barron	2,300	2,300	1.3	3,100	16 *	2,600	2,400	1.4	3,360
Bayfield	-	-	-	-	-	-	-	-	-
Burnett	-	-	-	-	-	50	-	-	-
Chippewa	200	200	1.0	200	42	220	200	1.2	240
Douglas	-	-	-	-	-	-	-	-	-
Polk	400	300	1.3	400	37 *	430	400	1.3	500
Rusk	-	-	-	-	-	-	-	-	-
Sawyer	-	-	-	-	-	-	-	-	-
Washburn	-	-	-	-	-	-	-	-	-
N. W. District	**2,900**	**2,800**	**1.3**	**3,700**		**3,300**	**3,000**	**1.4**	**4,100**
Ashland	-	-	-	-	-	-	-	-	-
Clark	-	-	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Marathon	-	-	-	-	-	-	-	-	-
Oneida	-	-	-	-	-	-	-	-	-
Price	-	-	-	-	-	-	-	-	-
Taylor	-	-	-	-	-	-	-	-	-
Vilas	-	-	-	-	-	-	-	-	-
N. C. Distrist 1/	**-**	**-**	**-**	**-**		**100**	**100**	**1.3**	**130**
Florence	-	-	-	-	-	-	-	-	-
Forest	-	-	-	-	-	-	-	-	-
Langlade	700	600	1.5	890	33	520	500	1.1	530
Marinette	200	200	1.3	260	40	260	250	1.1	280
Oconto	600	500	1.8	900	32	470	450	1.5	660
Shawano	900	600	1.8	1,050	30	650	600	1.2	730
N. E. District	**2,400**	**1,900**	**1.6**	**3,100**		**1,900**	**1,800**	**1.2**	**2,200**
Buffalo	-	-	-	-	-	-	-	-	-
Dunn	450	450	0.9	400	37 *	430	400	1.3	500
Eau Claire	1,050	1,000	1.2	1,190	26	730	700	1.3	930
Jackson	800	800	1.5	1,230	25	530	500	1.3	650
La Crosse	150	150	0.9	140	45	-	-	-	-
Monroe	350	300	1.5	440	36	-	-	-	-
Pepin	50	50	1.0	50	47 *	-	-	-	-
Pierce	50	50	1.0	50	47 *	-	-	-	-
St. Croix	350	350	1.6	550	35	320	300	1.3	380
Trempealeau	50	50	1.0	50	47 *	-	-	-	-
W. C. District 1/	**3,300**	**3,200**	**1.3**	**4,100**		**2,400**	**2,200**	**1.3**	**2,820**
Adams	1,800	1,700	1.8	3,100	16 *	1,550	1,500	1.7	2,500
Green Lake	5,600	4,800	1.8	8,500	5	4,900	4,800	1.4	6,900
Juneau	900	850	1.9	1,620	23	900	900	0.9	820
Marquette	100	50	1.6	80	46	-	-	-	-
Portage	5,200	5,000	1.8	8,900	4	4,850	4,800	1.5	7,000
Waupaca	1,100	900	1.8	1,600	24	950	900	1.2	1,120
Waushara	2,100	2,000	1.9	3,700	14	1,650	1,600	1.4	2,300
Wood	700	700	1.6	1,100	29	500	500	1.1	560
C. District	**17,500**	**16,000**	**1.8**	**28,600**		**15,300**	**15,000**	**1.4**	**21,200**
Brown	2,100	1,800	1.4	2,500	20	1,900	1,800	1.3	2,300
Calumet	3,100	2,400	1.5	3,600	15	2,500	2,400	1.6	3,800
Door	4,100	3,600	1.6	5,600	10	3,700	3,500	1.2	4,300
Fond du Lac	11,000	9,600	1.5	14,500	1	9,300	8,900	1.5	13,350
Kewaunee	2,000	1,600	1.4	2,200	21	1,700	1,600	1.3	2,100
Manitowoc	3,500	3,000	1.4	4,200	12	2,800	2,700	1.2	3,200
Outagamie	4,100	3,500	1.4	5,000	11	3,700	3,400	1.4	4,800
Sheboygan	5,300	4,800	1.6	7,700	7	4,700	4,400	1.4	6,000
Winnebago	2,200	1,700	1.6	2,700	19	1,700	1,600	1.2	1,950
E. C. District	**37,400**	**32,000**	**1.5**	**48,000**		**32,000**	**30,300**	**1.4**	**41,800**

GREEN PEAS FOR PROCESSING: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90, Continued

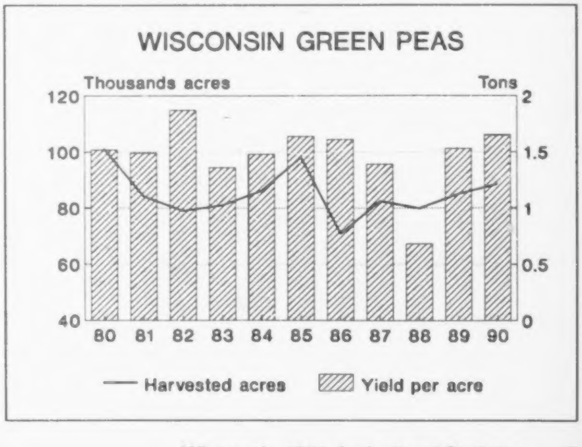
County	1990					1989			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Tons			Acres		Tons	
Crawford	-	-	-	-	-	-	-	-	-
Grant	500	400	1.5	600	34	520	500	2.1	1,070
Iowa	700	600	1.9	1,150	27 *	620	600	1.3	760
Lafayette	100	100	1.5	150	44	100	100	1.3	130
Richland	300	200	1.5	300	39	310	300	1.8	530
Sauk	1,900	1,700	1.8	3,100	16 *	1,750	1,700	1.8	3,110
Vernon	-	-	-	-	-	-	-	-	-
S. W. District	**3,500**	**3,000**	**1.8**	**5,300**		**3,300**	**3,200**	**1.8**	**5,600**
Columbia	5,200	4,600	1.7	8,000	6	5,000	4,800	1.7	8,300
Dane	5,700	5,300	1.9	9,900	3	5,600	5,200	1.9	9,800
Dodge	8,600	7,900	1.6	13,000	2	7,800	7,500	1.8	13,300
Green	750	700	1.6	1,150	27 *	550	500	2.2	1,100
Jefferson	650	600	1.6	950	31	650	600	1.4	830
Rock	4,100	3,900	1.8	7,200	8	4,000	3,800	2.0	7,670
S. C. District	**25,000**	**23,000**	**1.7**	**40,200**		**23,600**	**22,400**	**1.8**	**41,000**
Kenosha	-	-	-	-	-	-	-	-	-
Milwaukee	-	-	-	-	-	-	-	-	-
Ozaukee	2,200	2,100	1.9	3,900	13	2,350	2,300	1.8	4,040
Racine	100	100	2.5	250	41	-	-	-	-
Walworth	3,200	3,100	2.1	6,600	9	3,200	3,150	1.5	4,740
Washington	1,300	1,200	1.8	2,100	22	1,300	1,300	1.6	2,100
Waukesha	100	100	1.8	180	43	100	100	1.4	140
S. E. District 1/	**6,900**	**6,600**	**2.0**	**13,030**		**7,100**	**7,000**	**1.6**	**11,200**
State	**98,900**	**88,500**	**1.7**	**146,030**		**89,000**	**85,000**	**1.5**	**130,050**

*Tied. 1/Includes data to prevent disclosure of individual operations at the county level for 1989.


GREEN PEAS
Production by County - 1990
Tons
0 to 999
1,000 to 1,999
2,000 to 3,999
4,000 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Marinette
Lincoln
Langlade
Taylor
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Door
Jackson
Outagamie
Trempealeau
Waushara
Calumet
Manitowoc
Adams
Marquette
Winnebago
La Crosse
Monroe
Juneau
Green Lake
Fond du Lac
Sheboygan
Vernon
Sauk
Columbia
Dodge
Ozaukee
Washington
Richland
Crawford
Dane
Jefferson
Milwaukee
Waukesha
Iowa
Grant
Racine
Lafayette
Green
Rock
Walworth
Kenosha

GREEN PEAS FOR PROCESSING
Acreage, Yield, and Production Wisconsin, 1983-90

Year	Acres		Yield per acre (shelled)	Production (shelled)
	Planted	Harvested		
	Acres		Tons	Tons
1990	**98,900**	**88,500**	**1.65**	**146,030**
1989	89,000	85,000	1.53	130,050
1988	84,400	79,900	.68	54,330
1987	85,500	82,500	1.39	114,680
1986	78,000	70,900	1.61	114,150
1985	102,100	98,100	1.64	160,880
1984	91,000	86,200	1.48	127,580
1983	84,600	81,000	1.36	110,160



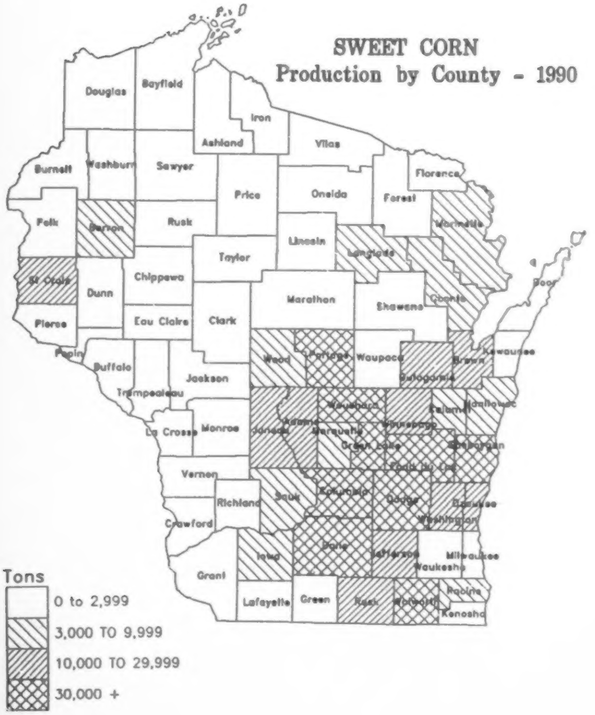
SWEET CORN FOR PROCESSING: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90

County	1990					1989 1/			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Tons			Acres		Tons	
Barron	1,250	1,200	6.5	7,800	22	900	900	7.2	6,500
Bayfield	-	-	-	-	-	-	-	-	-
Burnett	-	-	-	-	-	50	50	6.0	300
Chippewa	-	-	-	-	-	50	50	6.0	300
Douglas	-	-	-	-	-	-	-	-	-
Polk	200	150	6.0	900	39	300	300	8.0	2,400
Rusk	-	-	-	-	-	-	-	-	-
Sawyer	50	50	5.0	250	43	100	100	6.0	600
Washburn	200	200	5.7	1,130	38	-	-	-	-
N. W. District	**1,700**	**1,600**	**6.3**	**10,080**		**1,400**	**1,400**	**7.2**	**10,100**
Ashland	-	-	-	-	-	-	-	-	-
Clark	-	-	-	-	-	50	50	6.4	320
Iron	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Marathon	-	-	-	-	-	50	50	5.6	280
Oneida	-	-	-	-	-	-	-	-	-
Price	-	-	-	-	-	-	-	-	-
Taylor	-	-	-	-	-	-	-	-	-
Vilas	-	-	-	-	-	-	-	-	-
N. C. District	**-**	**-**	**-**	**-**		**100**	**100**	**6.0**	**600**
Florence	-	-	-	-	-	-	-	-	-
Forest	-	-	-	-	-	-	-	-	-
Langlade	1,200	1,000	4.8	4,800	25	1,300	1,200	5.4	6,500
Marinette	2,000	1,600	5.0	8,000	21	1,900	1,700	4.2	7,100
Oconto	2,200	1,900	5.2	9,800	20	2,600	2,300	4.7	10,900
Shawano	600	500	4.8	2,400	32 *	700	600	4.7	2,800
N. E. District	**6,000**	**5,000**	**5.0**	**25,000**		**6,500**	**5,800**	**4.7**	**27,300**
Buffalo	-	-	-	-	-	-	-	-	-
Dunn	100	50	4.0	200	44 *	100	100	4.0	400
Eau Claire	250	200	4.0	800	40	200	200	4.0	800
Jackson	-	-	-	-	-	-	-	-	-
La Crosse	50	50	4.0	200	44 *	100	100	4.0	400
Monroe	-	-	-	-	-	-	-	-	-
Pepin	-	-	-	-	-	-	-	-	-
Pierce	50	50	4.0	200	44 *	100	100	4.0	400
St. Croix	3,100	3,000	4.5	13,400	18	3,450	3,200	4.9	15,700
Trempealeau	50	50	4.0	200	44 *	150	100	4.0	400
W. C. District	**3,600**	**3,400**	**4.4**	**15,000**		**4,100**	**3,800**	**4.8**	**18,100**
Adams	4,700	4,300	6.7	28,600	10 *	4,700	4,500	7.1	32,000
Green Lake	10,800	9,300	6.7	62,000	3	10,300	10,100	6.3	64,000
Juneau	4,000	3,600	6.5	23,300	13	2,900	2,800	7.5	20,900
Marquette	600	500	6.0	3,000	29 *	700	700	7.0	4,900
Portage	8,000	7,100	6.9	49,000	5	7,300	7,100	7.2	51,300
Waupaca	300	300	6.3	1,900	37	300	300	7.3	2,200
Waushara	8,000	7,200	6.5	47,000	6 *	8,000	7,800	7.9	62,000
Wood	800	700	6.0	4,200	26	800	700	6.7	4,700
C. District	**37,200**	**33,000**	**6.6**	**219,000**		**35,000**	**34,000**	**7.1**	**242,000**
Brown	2,800	2,300	5.1	11,700	19	2,800	2,500	4.3	10,800
Calumet	1,500	1,200	5.1	6,100	24	1,500	1,300	4.2	5,500
Door	100	100	5.0	500	41 *	250	100	3.0	300
Fond du Lac	21,300	18,400	5.3	98,000	1	20,650	19,500	4.5	87,300
Kewaunee	700	500	5.0	2,500	31	700	600	3.8	2,300
Manitowoc	700	600	6.2	3,700	28	800	700	4.6	3,200
Outagamie	4,200	3,400	5.8	19,600	14	3,900	3,600	4.6	16,500
Sheboygan	11,700	9,700	5.6	54,000	4	11,000	10,300	4.4	45,000
Winnebago	3,800	3,300	5.4	17,900	16	3,700	3,400	4.4	15,100
E. C. District	**46,800**	**39,500**	**5.4**	**214,000**		**45,300**	**42,000**	**4.4**	**186,000**

SWEET CORN FOR PROCESSING: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90, Continued

County	1990					1989 1/			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Tons			Acres		Tons	
Crawford	-	-	-	-	-	50	-	-	-
Grant	450	400	5.8	2,300	34	300	300	5.0	1,500
Iowa	700	600	6.7	4,000	27	850	800	5.3	4,200
Lafayette	-	-	-	-	-	-	-	-	-
Richland	450	400	5.5	2,200	35	400	400	4.0	1,600
Sauk	1,400	1,300	5.8	7,500	23	1,400	1,300	5.2	6,800
Vernon	-	-	-	-	-	-	-	-	-
S. W. District	**3,000**	**2,700**	**5.9**	**16,000**		**3,000**	**2,800**	**5.0**	**14,100**
Columbia	8,800	8,000	5.8	46,000	8	10,000	9,000	4.9	44,500
Dane	9,000	8,200	5.7	47,000	6*	10,400	9,400	5.0	47,000
Dodge	17,500	16,100	5.1	82,000	2	19,300	18,300	5.0	91,500
Green	400	400	6.0	2,400	32*	400	300	3.3	1,000
Jefferson	4,700	4,100	5.9	24,000	12	4,600	4,300	4.9	21,000
Rock	5,900	5,200	5.5	28,600	10*	6,100	5,700	5.3	30,000
S. C. District	**46,300**	**42,000**	**5.5**	**230,000**		**50,800**	**47,000**	**5.0**	**235,000**
Kenosha	200	100	5.0	500	41*	100	50	4.0	200
Milwaukee	-	-	-	-	-	100	50	4.0	200
Ozaukee	3,400	3,100	5.8	18,000	15	3,500	3,200	4.4	14,100
Racine	900	600	5.0	3,000	29*	900	800	4.0	3,200
Walworth	8,400	7,200	5.7	41,000	9	8,500	8,200	5.4	44,260
Washington	2,900	2,600	6.0	15,500	17	2,500	2,300	5.4	12,500
Waukesha	500	400	5.0	2,000	36	600	500	5.0	2,500
S. E. District	**16,300**	**14,000**	**5.7**	**80,000**		**16,200**	**15,100**	**5.1**	**76,960**
State	**160,900**	**141,200**	**5.7**	**809,080**		**162,400**	**152,000**	**5.3**	**810,160**

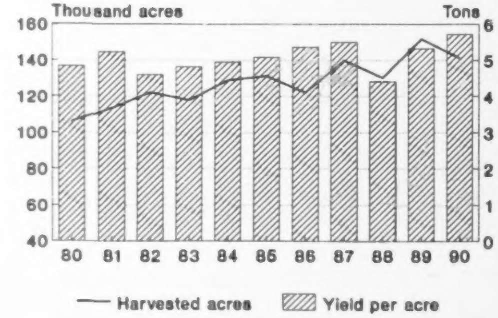
*Tied. 1/Revised.


SWEET CORN
Production by County - 1990
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Marinette
Lincoln
Langlade
Taylor
St Croix
Chippewa
Dunn
Marathon
Shawano
Oconto
Door
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Outagamie
Jackson
Trempealeau
Waushara
Calumet
Manitowoc
Adams
La Crosse
Monroe
Juneau
Marquette
Winnebago
Green Lake
Sheboygan
Fond Du Lac
Vernon
Sauk
Columbia
Dodge
Ozaukee
Richland
Washington
Crawford
Dane
Jefferson
Milwaukee
Iowa
Waukesha
Grant
Racine
Lafayette
Green
Rock
Walworth
Kenosha
Tons
0 to 2,999
3,000 TO 9,999
10,000 TO 29,999
30,000 +

SWEET CORN FOR PROCESSING
Acreage, Yield, and Production Wisconsin, 1983-90

Year	Acres		Yield per acre (in husk)	Production (in husk)
	Planted	Harvested		
	Acres		Tons	Tons
1990	**160,900**	**141,200**	**5.73**	**809,080**
1989	162,400	152,000	5.33	810,160
1988	151,000	138,400	4.40	608,960
1987	147,000	140,000	5.50	770,000
1986	133,000	122,200	5.37	656,210
1985	136,200	131,400	5.09	668,830
1984	136,300	129,000	4.95	638,550
1983	125,800	117,900	4.82	568,280

WISCONSIN SWEET CORN



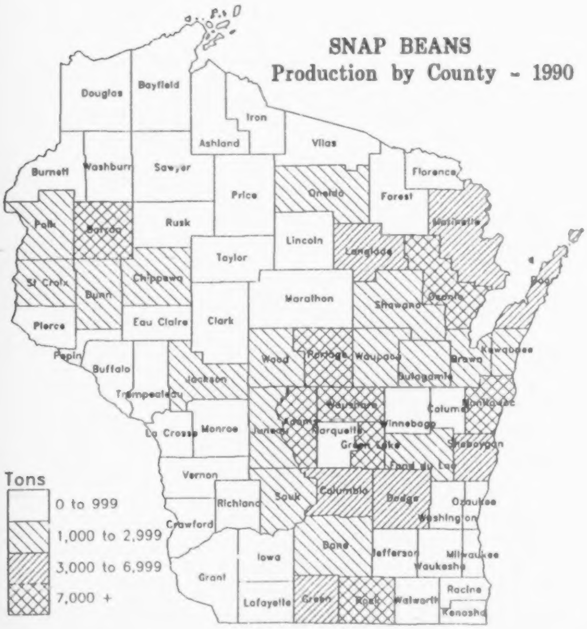
SNAP BEANS FOR PROCESSING: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90

County	1990					1989			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Tons			Acres		Tons	
Barron	4,500	4,300	3.1	13,400	3 *	5,100	4,600	3.3	15,400
Bayfield	-	-	-	-	-	-	-	-	-
Burnett	100	100	2.0	200	46 *	100	100	3.0	300
Chippewa	700	700	1.9	1,300	29	1,050	950	2.9	2,800
Douglas	-	-	-	-	-	-	-	-	-
Polk	900	900	2.9	2,600	18 *	1,200	1,100	3.0	3,300
Rusk	100	100	2.0	200	46 *	-	-	-	-
Sawyer	-	-	-	-	-	-	-	-	-
Washburn	400	400	2.0	800	32 *	550	450	2.7	1,200
N. W. District	**6,700**	**6,500**	**2.8**	**18,500**		**8,000**	**7,200**	**3.2**	**23,000**
Ashland	-	-	-	-	-	-	-	-	-
Clark	-	-	-	-	-	150	150	2.3	350
Iron	-	-	-	-	-	-	-	-	-
Lincoln	100	100	3.0	300	39 *	200	200	2.3	450
Marathon	300	200	3.5	700	34	150	150	2.3	350
Oneida	900	600	3.3	2,000	25 *	2,200	2,100	2.6	5,430
Price	-	-	-	-	-	-	-	-	-
Taylor	-	-	-	-	-	-	-	-	-
Vilas	100	100	3.5	350	36 *	200	200	2.3	450
N. C. District	**1,400**	**1,000**	**3.4**	**3,350**		**2,900**	**2,800**	**2.5**	**7,030**
Florence	-	-	-	-	-	-	-	-	-
Forest	100	100	3.0	300	39 *	100	100	3.0	300
Langlade	2,000	1,900	3.2	6,000	12	1,400	1,300	3.6	4,700
Marinette	1,100	1,100	2.8	3,100	15	900	850	3.5	3,000
Oconto	4,100	3,900	2.8	11,000	7	2,900	2,750	2.9	8,100
Shawano	1,100	1,000	2.6	2,600	18 *	900	800	3.0	2,400
N. E. District	**8,400**	**8,000**	**2.9**	**23,000**		**6,200**	**5,800**	**3.2**	**18,500**
Buffalo	-	-	-	-	-	50	50	3.0	150
Dunn	400	400	2.8	1,100	31	650	600	3.3	2,000
Eau Claire	100	100	3.0	300	39 *	100	100	3.0	300
Jackson	550	500	3.4	1,700	27 *	100	100	3.0	300
La Crosse	50	50	2.0	100	50 *	100	100	2.5	250
Monroe	-	-	-	-	-	-	-	-	-
Pepin	100	100	2.0	200	46 *	300	250	3.0	750
Pierce	50	50	2.0	100	50 *	100	100	3.0	300
St. Croix	700	700	2.9	2,000	25 *	900	900	3.2	2,850
Trempealeau	250	200	1.5	300	39 *	400	300	2.7	800
W. C. District	**2,200**	**2,100**	**2.8**	**5,800**		**2,700**	**2,500**	**3.1**	**7,700**
Adams	3,600	3,400	3.4	11,500	6	3,800	3,400	3.3	11,300
Green Lake	2,800	2,400	3.4	8,200	8	2,600	2,400	3.4	8,200
Juneau	800	800	2.6	2,100	23 *	1,100	1,000	3.0	3,000
Marquette	300	300	2.7	800	32 *	300	300	3.0	900
Portage	20,000	18,900	3.7	70,700	1	18,900	18,600	3.9	72,000
Waupaca	800	800	3.3	2,600	18 *	1,000	900	3.7	3,300
Waushara	12,500	11,700	3.4	40,000	2	12,400	12,200	3.6	43,400
Wood	700	700	3.0	2,100	23 *	600	600	3.2	1,900
C. District	**41,500**	**39,000**	**3.5**	**138,000**		**40,700**	**39,400**	**3.7**	**144,000**
Brown	1,000	800	2.8	2,200	22	800	800	3.1	2,500
Calumet	400	200	2.5	500	35	300	300	2.7	800
Door	2,500	2,100	3.2	6,700	9	2,500	2,300	2.8	6,500
Fond du Lac	1,000	800	3.6	2,900	16 *	900	800	3.4	2,700
Kewaunee	900	600	2.8	1,700	27 *	700	700	3.3	2,300
Manitowoc	4,700	3,800	3.2	12,200	5	4,200	3,900	3.4	13,300
Outagamie	1,100	900	3.2	2,900	16 *	1,200	1,100	3.5	3,900
Sheboygan	2,500	2,000	3.3	6,600	10	2,200	2,000	3.4	6,700
Winnebago	100	100	3.0	300	39 *	100	100	3.0	300
E. C. District	**14,200**	**11,300**	**3.2**	**36,000**		**12,900**	**12,000**	**3.3**	**39,000**

SNAP BEANS FOR PROCESSING: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90, Continued

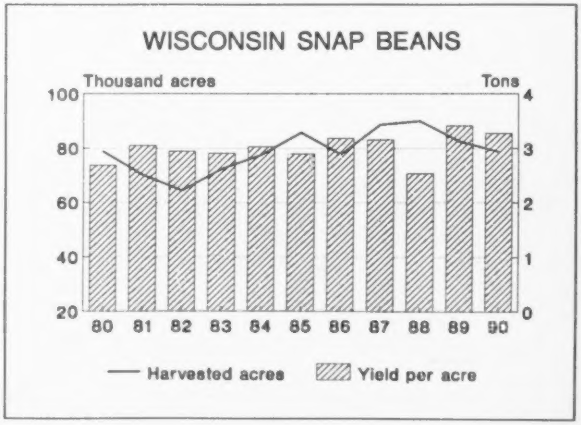
County	1990					1989			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Tons			Acres		Tons	
Crawford	-	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-	-
Iowa	50	50	3.0	150	49	1,900	1,800	3.1	5,500
Lafayette	-	-	-	-	-	-	-	-	-
Richland	100	100	2.5	250	45	200	200	2.8	550
Sauk	850	850	2.7	2,300	21	300	300	3.2	950
Vernon	-	-	-	-	-	-	-	-	-
S. W. District	**1,000**	**1,000**	**2.7**	**2,700**		**2,400**	**2,300**	**3.0**	**7,000**
Columbia	1,300	1,200	3.2	3,800	14	1,400	1,200	3.1	3,700
Dane	500	450	2.7	1,200	30	600	500	3.8	1,900
Dodge	1,350	1,300	3.2	4,200	13	800	800	2.8	2,200
Green	2,050	2,000	3.2	6,300	11	1,900	1,900	3.7	7,100
Jefferson	100	50	2.0	100	50 *	100	100	3.0	300
Rock	4,600	4,500	3.0	13,400	3 *	5,600	5,200	3.4	17,800
S. C. District	**9,900**	**9,500**	**3.1**	**29,000**		**10,400**	**9,700**	**3.4**	**33,000**
Kenosha	-	-	-	-	-	50	50	3.2	160
Milwaukee	-	-	-	-	-	-	-	-	-
Ozaukee	100	100	3.5	350	36 *	200	200	2.1	420
Racine	100	100	3.5	350	36 *	200	200	2.5	500
Walworth	100	100	3.0	300	39 *	300	300	3.0	900
Washington	-	-	-	-	-	50	50	2.4	120
Waukesha	-	-	-	-	-	-	-	-	-
S. E. District	**300**	**300**	**3.3**	**1,000**		**800**	**800**	**2.6**	**2,100**
State	85,600	78,700	3.3	257,350		87,000	82,500	3.4	281,330

*Tied.


SNAP BEANS
Production by County - 1990
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Oneida
Forest
Price
Marinette
Polk
Barron
Rusk
Lincoln
Langlade
Taylor
Door
St Croix
Chippewa
Marathon
Shawano
Oconto
Dunn
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Outagamie
Trempealeau
Jackson
Waushara
Winnebago
Calumet
Manitowoc
Adams
Marquette
Green Lake
La Crosse
Monroe
Juneau
Fond du Lac
Sheboygan
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Dane
Jefferson
Waukesha
Milwaukee
Grant
Iowa
Racine
Lafayette
Green
Rock
Walworth
Kenosha
Tons
0 to 999
1,000 to 2,999
3,000 to 6,999
7,000 +

SNAP BEANS FOR PROCESSING
Acreage, Yield, and Production Wisconsin, 1983-90

Year	Acres		Yield per acre	Production
	Planted	Harvested		
	Acres		Tons	Tons
1990	**85,600**	**78,700**	**3.27**	**257,350**
1989	87,000	82,500	3.41	281,330
1988	88,200	82,800	2.53	209,480
1987	94,300	88,700	3.15	279,410
1986	88,400	77,800	3.18	247,400
1985	89,600	85,800	2.90	248,820
1984	78,800	77,600	3.03	235,130
1983	75,800	72,400	2.91	210,680



POTATOES: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90

County	1990					1989 2/			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Hundredweight			Acres		Hundredweight	
Barron	1,200	1,200	450	540,000	5	1,300	1,300	397	516,000
Bayfield	-	-	-	-	-	-	-	-	-
Burnett	-	-	-	-	-	-	-	-	-
Chippewa 1/	-	-	-	-	-	-	-	-	-
Douglas	-	-	-	-	-	-	-	-	-
Polk	-	-	-	-	-	-	-	-	-
Rusk	-	-	-	-	-	-	-	-	-
Sawyer 1/	-	-	-	-	-	-	-	-	-
Washburn 1/	-	-	-	-	-	-	-	-	-
N. W. District 1/	**1,550**	**1,500**	**423**	**635,000**		**1,600**	**1,600**	**388**	**620,000**
Ashland	-	-	-	-	-	-	-	-	-
Clark 1/	-	-	-	-	-	-	-	-	-
Iron 1/	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Marathon	900	850	253	215,000	11	1,000	1,000	245	245,000
Oneida	1,575	1,550	232	360,000	9	1,550	1,500	200	300,400
Price	-	-	-	-	-	-	-	-	-
Taylor	-	-	-	-	-	-	-	-	-
Vilas 1/	-	-	-	-	-	-	-	-	-
N. C. District 1/	**2,900**	**2,800**	**234**	**655,000**		**3,050**	**3,000**	**217**	**650,000**
Florence	450	425	271	115,000	14	200	200	205	41,000
Forest 1/	-	-	-	-	-	-	-	-	-
Langlade	12,400	11,500	314	3,610,000	3	12,400	12,350	279	3,447,000
Marinette 1/	-	-	-	-	-	-	-	-	-
Oconto	250	250	240	60,000	17	300	300	323	97,000
Shawano	500	450	367	165,000	13	600	550	284	156,000
N. E. District 1/	**14,000**	**13,000**	**311**	**4,040,000**		**13,900**	**13,800**	**277**	**3,825,000**
Buffalo	-	-	-	-	-	-	-	-	-
Dunn	-	-	-	-	-	-	-	-	-
Eau Claire	-	-	-	-	-	-	-	-	-
Jackson	-	-	-	-	-	-	-	-	-
La Crosse	-	-	-	-	-	-	-	-	-
Monroe	-	-	-	-	-	-	-	-	-
Pepin	-	-	-	-	-	-	-	-	-
Pierce	-	-	-	-	-	-	-	-	-
St. Croix	-	-	-	-	-	-	-	-	-
Trempealeau	-	-	-	-	-	-	-	-	-
W. C. District 1/	**-**	**-**	**-**	**-**		**-**	**-**	**-**	**-**
Adams	4,450	4,400	370	1,630,000	4	7,350	7,300	393	2,870,000
Green Lake 1/	-	-	-	-	-	-	-	-	-
Juneau	1,100	1,100	309	340,000	10	1,000	1,000	340	340,000
Marquette 1/	-	-	-	-	-	-	-	-	-
Portage	20,900	20,650	400	8,250,000	1	22,550	22,300	363	8,100,000
Waupaca	1,650	1,500	330	495,000	6	2,500	2,500	364	909,000
Waushara	13,750	13,550	369	5,000,000	2	9,500	9,500	368	3,500,000
Wood	1,300	1,250	352	440,000	7	1,400	1,400	411	576,000
C. District 1/	**43,300**	**42,600**	**380**	**16,200,000**		**44,500**	**44,200**	**370**	**16,360,000**
Brown	-	-	-	-	-	-	-	-	-
Calumet	-	-	-	-	-	-	-	-	-
Door	-	-	-	-	-	-	-	-	-
Fond du Lac	-	-	-	-	-	-	-	-	-
Kewaunee	-	-	-	-	-	-	-	-	-
Manitowoc	-	-	-	-	-	-	-	-	-
Outagamie	-	-	-	-	-	-	-	-	-
Sheboygan	-	-	-	-	-	-	-	-	-
Winnebago	-	-	-	-	-	-	-	-	-
E. C. District 1/	**-**	**-**	**-**	**-**		**-**	**-**	**-**	**-**

POTATOES: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90, Continued

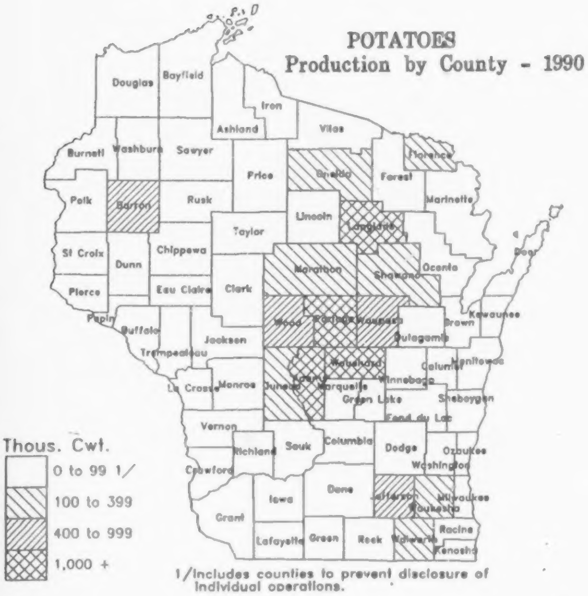
County	1990					1989 2/			
	Acres		Yield per acre	Production		Acres		Yield per acre	Production
	Planted	Harvested		Quantity	Rank	Planted	Harvested		
	Acres		Hundredweight			Acres		Hundredweight	
Crawford	-	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-	-
Iowa	-	-	-	-	-	-	-	-	-
Lafayette	-	-	-	-	-	-	-	-	-
Richland	-	-	-	-	-	-	-	-	-
Sauk	-	-	-	-	-	-	-	-	-
Vernon	-	-	-	-	-	-	-	-	-
S. W. District 1/	**-**	**-**	**-**	**-**		**-**	**-**	**-**	**-**
Columbia 1/	-	-	-	-	-	-	-	-	-
Dane	-	-	-	-	-	-	-	-	-
Dodge	75	75	227	17,000	19	75	75	225	16,900
Green	-	-	-	-	-	-	-	-	-
Jefferson	1,350	1,350	304	410,000	8	1,400	1,400	316	443,000
Rock 1/	-	-	-	-	-	-	-	-	-
S. C. District 1/	**1,500**	**1,500**	**300**	**450,000**		**1,550**	**1,550**	**311**	**482,000**
Kenosha 1/	-	-	-	-	-	50	50	160	8,000
Milwaukee	-	-	-	-	-	-	-	-	-
Ozaukee 1/	-	-	-	-	-	50	50	240	12,000
Racine	500	450	200	90,000	16	525	500	198	99,000
Walworth	950	900	230	207,000	12	1,225	1,200	253	304,000
Washington	75	75	347	26,000	18	50	50	360	18,000
Waukesha	575	525	211	111,000	15	300	300	233	70,000
S. E. District 1/	**2,150**	**2,000**	**225**	**450,000**		**2,200**	**2,150**	**238**	**511,000**
State 1/	**67,000**	**65,000**	**355**	**23,075,000**		**68,500**	**68,000**	**340**	**23,120,000**

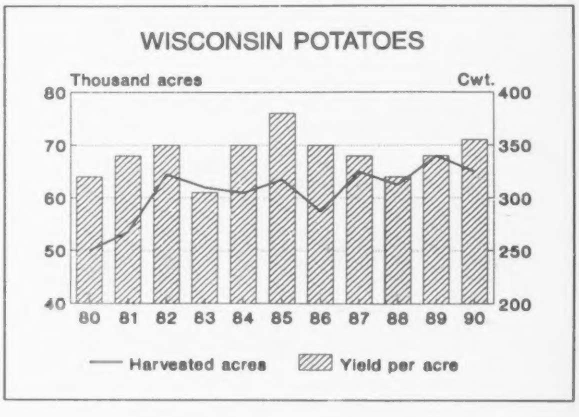
*Tied. 1/Includes data to prevent disclosure of individual operations at the county and/or district level. 2/Revised.

POTATOES: Acreage, Yield, and Production Wisconsin, 1983-90

Year	Acres		Yield per acre	Production
	Planted	Harvested		
	1,000		Cwt.	1,000 cwt.
1990	**67.0**	**65.0**	**355**	**23,075**
1989*	68.5	68.0	340	23,120
1988	63.0	62.5	320	20,000
1987	66.0	65.0	340	22,100
1986	59.0	57.5	350	20,125
1985	65.0	63.5	380	24,130
1984	62.0	61.0	350	21,350
1983	63.0	62.0	305	18,910

*Revised.


POTATOES
Production by County - 1990
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Price
Oneida
Forest
Florence
Polk
Barron
Rusk
Lincoln
Langlade
Marinette
Taylor
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Door
Pierce
Eau Claire
Clark
Pepin
Buffalo
Jackson
Wood
Portage
Waupaca
Outagamie
Brown
Kewaunee
Trempealeau
Juneau
Adams
Waushara
Winnebago
Calumet
Manitowoc
La Crosse
Monroe
Marquette
Green Lake
Fond du Lac
Sheboygan
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Iowa
Dane
Jefferson
Milwaukee
Waukesha
Grant
Lafayette
Green
Rock
Walworth
Racine
Kenosha
Thous. Cwt.
0 to 99 1/
100 to 399
400 to 999
1,000 +
1/Includes counties to prevent disclosure of individual operations.



POTATOES: Production, Utilization, Sales, and Value, Wisconsin, 1983-90

Crop year	Production	Total used for seed	Feed, seed, household use	Shrinkage and loss	Sold	Marketing year average	Value	
							Production	Sales
	1,000 cwt.					Dollars/cwt.	1,000 dollars	
1990 1/	**23,075**	-	-	-	-	**5.45**	**125,759**	-
1989*	23,120	1,242	231	694	22,195	7.20	166,464	159,804
1988*	20,000	1,233	234	780	18,986	6.40	128,000	121,510
1987	22,100	1,071	195	1,791	20,114	3.85	85,085	77,439
1986	20,125	1,161	262	1,408	18,455	4.60	92,575	84,893
1985	24,130	1,003	220	1,660	22,250	3.15	76,010	70,088
1984	21,350	1,170	171	918	20,261	4.80	102,480	97,253
1983	18,910	1,054	354	875	17,681	5.55	104,951	98,130

1/Utilization data for 1990 not available at time of publication. *Revised.

POTATO STOCKS: Wisconsin, 1983-90

Crop year	Production	Total Stocks					
		December 1	Following year				
			January 1	February 1	March 1	April 1	May 1
	1,000 cwt.						
1990	**23,075**	**13,250**	**11,200**	**8,700**	**6,600**	**4,600**	**2,650**
1989 *	23,120	13,200	10,400	8,100	6,700	5,000	3,000
1988	20,000	11,600	9,300	7,200	6,000	4,050	2,870
1987	22,100	13,100	10,000	7,600	6,400	4,600	2,800
1986	20,125	12,000	9,000	6,800	5,400	3,400	2,300
1985	24,130	14,500	11,000	8,400	6,500	4,800	3,200
1984	21,350	11,600	9,200	7,300	5,700	3,900	2,300
1983	18,910	11,000	8,400	6,300	5,000	2,700	1,700

*Revised.

CROP VALUES PER ACRE: Wisconsin, 1984-90

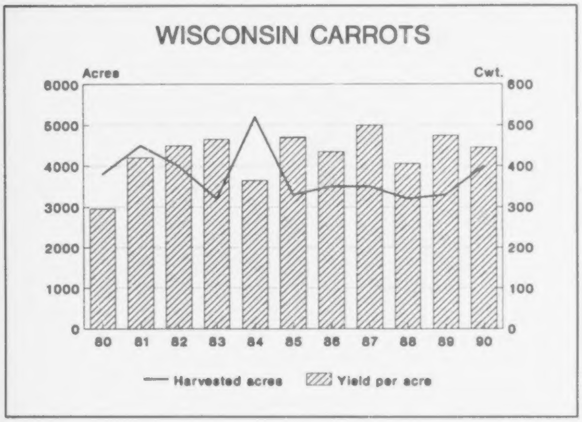
Crop	**1990**	1989	1988	1987	1986	1985	1984
	Dollars per acre						
Field crops							
Corn for grain	**260**	256	171	237	172	234	273
Corn for silage	**252**	260	173	210	182	250	263
Oats	**74**	88	83	81	70	86	102
Barley	**95**	120	79	84	71	90	117
Rye	**68**	65	52	43	43	59	59
All wheat	**137**	181	127	110	127	157	177
Soybeans for beans	**230**	200	166	217	165	155	177
Potatoes	**1,935**	2,448	2,048	1,309	1,610	1,197	1,680
Tobacco, all	**2,983**	3,068	2,502	1,993	1,786	2,258	2,237
Type 54	**3,525**	3,278	2,613	2,100	1,867	2,539	2,337
Type 55	**2,190**	2,700	2,250	1,800	1,720	2,003	2,145
Hay, all (dry only)	**149**	166	140	142	155	226	221
Alfalfa	**158**	175	156	155	164	242	235
Vegetable crops							
Onions	**1,890**	2,518	2,634	2,575	3,239	1,260	1,559
Carrots 1/	**2,895**	2,583	2,393	3,001	2,826	2,208	1,764
Mint for oil 2/	**703**	721	450	543	515	484	546
For processing							
Peas	**386**	343	171	302	335	371	329
Sweet corn	**378**	336	251	316	310	307	284
Snap beans	**546**	518	382	450	455	441	461
Cucumber for pickles	**1,374**	1,396	1,290	1,309	1,200	1,156	826
Fruits							
Cranberries 3/	**5,968**	6,005	7,749	6,934	6,947	7,026	7,424
Strawberries	**3,150**	3,660	2,624	2,090	2,806	2,121	2,085

1/Includes portion processed. 2/Peppermint and spearmint. 3/1989 marketing year average price was used in computing value.

CUCUMBERS FOR PICKLES
Acreage, Yield, and Production, Wisconsin, 1983-90

Year	Acres		Yield per acre	Production
	Planted	Harvested		
	Acres		Tons	Tons
1990	**7,600**	**7,400**	**7.35**	**54,390**
1989	6,800	6,700	7.59	50,850
1988	6,800	6,800	6.90	46,920
1987	5,800	5,700	8.03	45,770
1986	7,300	7,200	7.50	54,000
1985	7,000	6,700	9.25	61,980
1984	8,100	7,800	7.87	61,390
1983 1/	-	-	-	-

1/Data not available in 1983.



MINT FOR OIL
Acreage, Yield, and Production, Wisconsin, 1983-90

Year	Acres harvested	Yield per acre	Production
	Acres	Pounds	1,000 pounds
1990	**16,300**	**39.9**	**650**
1989	14,900	43.4	647
1988	8,900	21.3	190
1987	8,600	37.4	322
1986	9,800	37.6	368
1985	9,300	36.2	337
1984	11,700	42.7	500
1983	11,600	42.2	489

CRANBERRIES
Acreage, Yield, and Production, Wisconsin, 1983-90

Year	Acres harvested	Yield per acre	Production
	Acres	Barrels	1,000 bbls.
1990	**9,400**	**140.4**	**1,320**
1989*	9,200	141.3	1,300
1988	9,100	171.4	1,560
1987	8,900	156.2	1,390
1986	8,500	165.0	1,330
1985	8,000	153.8	1,230
1984	7,500	160.0	1,200
1983	7,300	155.1	1,132

*Revised.

ONIONS
Acreage, Yield, and Production, Wisconsin, 1983-90

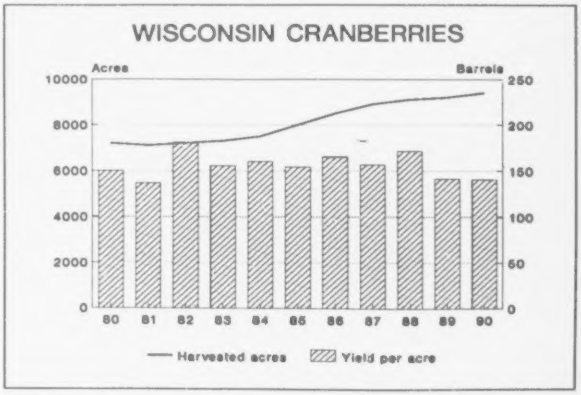
Year	Acres		Yield per acre	Production
	Planted	Harvested		
	Acres		Cwt.	1,000 cwt.
1990	**1,600**	**1,500**	**420**	**630**
1989	1,400	1,300	375	488
1988	1,600	1,300	270	351
1987	1,400	1,200	280	336
1986	1,400	1,200	315	378
1985	1,500	1,300	335	436
1984	1,700	1,600	340	544
1983	1,700	1,600	345	552

CARROTS
Acreage, Yield, and Production, Wisconsin, 1983-90

Year	Acres		Yield per acre	Production
	Planted	Harvested		
	Acres		Cwt.	1,000 cwt.
1990	**4,200**	**4,000**	**445**	**1,780**
1989	3,900	3,300	475	1,568
1988	4,100	3,200	405	1,296
1987	3,800	3,500	500	1,750
1986	4,200	3,500	435	1,523
1985	3,600	3,300	470	1,551
1984	5,500	5,200	365	1,898
1983	3,700	3,200	465	1,488

STRAWBERRIES
Acreage, Yield, and Production, Wisconsin, 1983-90

Year	Acres harvested	Yield per acre	Production
	Acres	Cwt.	Cwt.
1990	**1,100**	**50**	**55,000**
1989	1,100	55	61,000
1988	1,000	41	41,000
1987	1,200	37	44,000
1986	1,300	49	64,000
1985	1,400	39	55,000
1984	1,500	39	59,000
1983	1,500	38	57,000



APPLES
Acreage, Yield, and Production, Wisconsin, 1985-90

Year	Bearing acreage 1/	Yield per acre 2/	Production
	Acres	Pounds	Million pounds
1990	**7,200**	**6,670**	**48**
1989	7,000	9,290	65
1988	6,700	6,720	45
1987	6,500	10,000	65
1986	6,300	9,210	58
1985	6,200	10,000	62

1/Bearing acreage estimates are based primarily on periodic orchard and vineyard inventory surveys. Wisconsin's last periodic survey was in 1986. Interim years are based on U.S. Census of Agriculture data, trends in plantings and removals, county extension services data, end of season production surveys, and other available indications. 2/Yield is based on total production which includes unharvested production and fruit harvested but not sold due to marketing conditions.

TART CHERRIES
Acreage, Yield, and Production, Wisconsin, 1985-90

Year	Bearing acreage 1/	Yield per acre 2/	Production
	Acres	Pounds	Million pounds
1990	**2,900**	**1,660**	**4.8**
1989*	2,900	2,620	7.6
1988	2,800	3,180	8.9
1987	2,800	5,000	14.0
1986	2,600	1,420	3.7
1985	2,400	3,540	8.5

1/Bearing acreage estimates are based primarily on periodic orchard and vineyard inventory surveys. Wisconsin's last periodic survey was in 1986. Interim years are based on U.S. Census of Agriculture data, trends in plantings and removals, county extension services data, end of season production surveys, and other available indications. 2/Yield is based on total production which includes unharvested production and fruit harvested but not sold due to marketing conditions. *Revised.

Floriculture Selected Potted Flowers, Production and Price
Wisconsin, 1989, 1990, and 1991 Intentions

Type of flower	Production area		Total quantity sold		1990 wholesale price		Wholesale value of sales		Indicated quantity for 1991
	1990	1989	1990	1989	Less than 5 inches	5 inches or more	1990	1989	
	1,000 sq. ft.		1,000 pots		Dollars/pot		1,000 dollars		1,000 pots
Potted mums 1/	220	256	334	378	1.69	5.12	1,631	1,571	308
Poinsettias	1,666	1,349	1,093	995	1.82	4.54	4,274	4,034	1,086
Potted Easter lilies	163	166	183	189	-	4.66	853	830	184
Potted finished florist azaleas	116	121	116	138	3.65	7.64	834	909	107
Other potted flowering plants 2/	257	258	296	347	1.62	4.94	1,044	1,169	294
Potted geraniums (cuttings)	929	840	2,462	2,403	1.16	3.83	3,126	3,103	2,482
Potted geraniums (seed)	403	350	1,576	1,353	1.08	3.25	1,761	1,529	1,577
Potted hardy mums	190	182	334	322	1.14	1.88	500	600	347
Other potted flowering & foliage bedding plants	1,300	800	4,406	3,870	1.02	2.16	5,192	4,180	5,018

1/Excludes hardy mums. 2/Finished and sold for indoor or patio use.

Floriculture Selected Bedding Plants and Hanging Baskets, Production and Price
Wisconsin, 1989, 1990, and 1991 Intentions

Type of flower	Production area		Total quantity sold		1990 wholesale price		Wholesale value of sales		Indicated quantity for 1991
	1990	1989	1990	1989	Less than 5 inches	5 inches or more	1990	1989	
	1,000 sq. ft.		1,000 pots		Dollars/pot		1,000 dollars		1,000 pots
Other flowering & foliage bedding plants(flats)	2,926	2,710	1,457	1,356	7.12	7.57	10,374	10,265	1,499
Vegetable bedding plants (flats)	502	462	251	227	7.05	7.56	1,770	1,716	254
Flowering hanging baskets	-	-	439	439	7.53	7.11	3,306	3,121	455
Foliage hanging baskets	-	-	92	163	4.01	5.17	369	843	146

TOBACCO: Acreage, Yield, and Production, By Counties, Wisconsin, 1989-90

County	1990 1/				1989 2/		
	Acres harvested	Yield per acre	Production		Acres harvested	Yield per acre	Production
			Quantity	Rank			
	Acres	Pounds			Acres	Pounds	
TYPE 54							
Columbia	180	2,417	435,000	5	160	2,219	355,000
Dane	3,090	2,346	7,250,000	1	2,650	2,174	5,760,000
Dodge	**	**	**	-	**	**	**
Green	**	**	**	-	**	**	**
Jefferson	89	2,303	205,000	7	70	1,957	137,000
Rock	730	2,356	1,720,000	3	610	2,262	1,380,000
Racine	**	**	**	-	**	**	**
Walworth	**	**	**	-	**	**	**
Total	4,100	2,350	9,635,000		3,500	2,185	7,648,000
TYPE 55							
Chippewa	**	**	**	-	**	**	**
Jackson	**	**	**	-	**	**	**
Juneau	**	**	**	-	**	**	**
La Crosse	85	1,353	115,000	8	49	1,694	83,000
Monroe	118	1,822	215,000	6	95	1,632	155,000
Trempealeau	30	1,567	47,000	10	20	1,900	38,000
Crawford	480	1,521	730,000	4	340	1,853	630,000
Richland	32	1,500	48,000	9	31	1,774	55,000
Vernon	2,050	1,427	2,925,000	2	1,455	1,808	2,630,000
Total	2,800	1,460	4,088,000		2,000	1,800	3,600,000
State	6,900	1,989	13,723,000		5,500	2,045	11,248,000

1/Preliminary. 2/Revised. **Less than 15 acres but estimate included in totals.

TOBACCO: Acreage, Yield, and Production, Wisconsin, 1983-90

Year	All			Type 54			Type 55		
	Acres harvested	Yield per acre	Production	Acres harvested	Yield per acre	Production	Acres harvested	Yield per acre	Production
	Acres	Pounds	1,000 pounds	Acres	Pounds	1,000 pounds	Acres	Pounds	1,000 pounds
1990	**6,900**	**1,989**	**13,723**	**4,100**	**2,350**	**9,635**	**2,800**	**1,460**	**4,088**
1989*	5,500	2,045	11,248	3,500	2,185	7,648	2,000	1,800	3,600
1988	3,450	2,002	6,906	2,400	2,090	5,016	1,050	1,800	1,890
1987	4,200	1,993	8,370	2,700	2,100	5,670	1,500	1,800	2,700
1986	6,200	1,913	11,860	2,800	1,965	5,502	3,400	1,870	6,358
1985	8,200	2,192	17,978	3,900	2,465	9,614	4,300	1,945	8,364
1984	8,100	2,025	16,400	3,900	2,105	8,210	4,200	1,950	8,190
1983	8,600	1,941	16,691	4,400	2,080	9,152	4,200	1,795	7,539

*Revised.

TOBACCO, CIGAR FILLER & BINDER: Market Year Average Price Received by Farmers & Value of Production Wisconsin, and Connecticut Valley, 1989-90

Class	Type number	Market year average price per pound received by farmers		Value of production	
		1990 1/	1989	**1990 1/**	1989
		Cents		1,000 dollars	
Connecticut Valley Broadleaf	51	**250.0**	180.0	**2,901**	2,261
Southern Wisconsin	54	**150.0**	150.0	**14,453**	11,472
Northern Wisconsin	55	**150.0**	150.0	**6,132**	5,400
Total	51-55	**157.8**	153.0	**23,486**	19,133

1/Preliminary.

Livestock & Poultry

Wisconsin's red meat industry generated cash receipts of $1,130 million during 1990, up 16 percent from 1989 and 5 percent above the 1988 sales. Sales of cattle and calves were $883 million, up 16 percent, while sales of hogs and pigs totaled $242 million, 14 percent above 1989 sales. Cash receipts from the sale of sheep and lambs fell 18 percent to a level of $4.2 million.

Cattle and calves on Wisconsin farms January 1, 1991, totaled 4,170,000 head, unchanged from last year. However, the value of these cattle and calves, at $3.19 billion, was down 4 percent. The average value per head fell $30 to $765.

Dairy cows on hand January 1, 1991, totaled 1,765,000 head, up 5,000 head from 1990. Milk cow replacement heifers 500 pounds or more numbered 800,000 head, down 1 percent from 1990.

Beef cows, at 175,000 head, were down 3 percent from 1990 but up 17 percent from 1989. Beef replacement heifers weighing 500 pounds or more amounted to 33,000 head, up 1,000, while other heifers not used for herd replacement, at 90,000 head, were down 10 percent.

Steers weighing 500 pounds or more increased 7 percent from 1990 to 325,000 head. Bulls 500 pounds or more were down 3 percent. Steer, bull, and heifer calves under 500 pounds totaled 950,000, unchanged from last year. Cattle and calves on feed for slaughter market on January 1, at 130,000 head, were 8 percent higher than 1990 and 30 percent above 1989.

All sheep and lambs in the state on January 1 were down 2,000 head to 103,000 head. Sheep and lambs on hand were valued at $7.6 million, down 14 percent. The average value per animal fell $10 to $74 per head. Lambs on feed totaled 18,000, 3,000 head above 1990, and twice the amount in 1989. Stock sheep and lambs declined 6 percent to 85,000 head, while ewes one year and older fell 6 percent to 67,000 head.

Photo courtesy of Agri-View

All chickens in Wisconsin on December 1, 1990, totaled 4.3 million birds, up 2 percent from 1989. Hens and pullets of laying age were down 2 percent to 3.4 million birds. All chickens on farms were valued at $8.98 million, 4 percent above the previous year.

Hogs and pigs on hand December 1, 1990, increased 4 percent over last year's revised total to 1,200,000 head. Breeding stock, at 175,000 head, was 9 percent above 1989. Market hogs were up 4 percent to 1,025,000 head. The value of hogs on the farm increased 16 percent to $108 million with the value per head increasing $9 to $90 per head.

INDEX OF RED MEAT & POULTRY PRODUCTION
Wisconsin, 1985-90 (1977=100)

Commodity	**1990**	1989	1988	1987	1986	1985
Cattle and calves	**133**	135	139	147	139	119
Hogs	**90**	97	105	111	102	107
Sheep & lambs	**135**	148	133	126	108	110
Chickens	**47**	60	68	48	48	44
Broilers	**141**	124	129	127	112	108
Total	**122**	123	127	133	126	116

LIVESTOCK AND POULTRY FARMS
Wisconsin, 1982-90

Year	Cattle	Dairy	Hogs	Sheep	Chickens
	1,000 farms				
1990	**56**	**33**	**9.4**	**2.8**	**5.5**
1989	57	34	9.7	2.8	5.6
1988	58	36	10.0	2.8	5.7
1987	60	37	10.2	2.9	5.8
1986	62	39	11.0	3.1	5.9
1985	63	41	12.0	3.4	6.1
1984	66	43	13.5	3.6	6.3
1983	68	44	14.0	3.7	6.4
1982	69	44	15.0	3.8	6.5

LIVESTOCK: Number of Head and Value, Wisconsin, January 1, 1986-91

Class of livestock	1991			1990	1989	1988	1987	1986
	Head	Value per head	Total value					
	1,000	Dollars	1,000 dollars	1,000 head				
Cattle and calves, total	4,170	765.00	3,190,050	4,170	4,130	4,230	4,260	4,280
Cows	1,940	-	-	1,940	1,890	1,990	2,015	2,076
Beef	175	-	-	180	150	200	190	184
Milk	1,765	-	-	1,760	1,740	1,790	1,825	1,892
Heifers 500 pounds and over	923	-	-	942	882	896	959	984
For beef cow replacement	33	-	-	32	30	41	47	47
For milk cow replacement	800	-	-	810	795	775	814	847
Other heifers	90	-	-	100	57	80	98	90
Steers 500 pounds and over	325	-	-	305	300	295	277	265
Bulls 500 pounds and over	32	-	-	33	33	34	34	43
Heifers, steers, and bulls under 500 pounds	950	-	-	950	1,025	1,015	975	912
Cattle on feed	130	-	-	120	100	110	120	108
Hogs and pigs, total 1/	1,200	90.00	108,000	1,150*	1,275	1,320	1,300	1,250
Breeding	175	-	-	160*	185	185	170	170
Market	1,025	-	-	990*	1,090	1135	1,130	1,080
Sheep and lambs, total	103	74.00	7,622	105	94	93	96	90
Stock sheep and lambs	85	-	-	90	85	83	89	79
Ewes 1 year and older	67	-	-	71	66	63	62	64
Ewe lambs	10	-	-	13	12	13	14	8
Rams and wethers 1 year and older	4	-	-	4	4	4	5	5
Wether and ram lambs	4	-	-	2	3	3	8	2
Sheep and lambs on feed	18	-	-	15	9	10	7	11
Chickens, total 1/, 2/	4,275	2.10	8,978	4,200	4,205	4,440	4,555	4,350
Hens and pullets of laying age	3,405	-	-	3,475	3,345	3,730	3,815	3,360
Other pullets	840	-	-	700	835	680	688	960
Other chickens	30	-	-	25	25	30	52	30

1/December 1 previous year. 2/Does not include commercial broilers. *Revised.

MEAT: Per Capita Consumption, United States, 1945-91 1/

Year	Beef	Veal	Pork	Lamb and mutton	Total red meat	Chicken	Turkey	Total poultry
	Retail weight in pounds							
1991	**68.0**	**1.0**	**50.0**	**1.5**	**120.5**	**75.7**	**19.3**	**95.0**
1990	67.5	1.1	49.5	1.5	119.6	71.9	18.1	90.1
1989	68.9	1.2	51.7	1.5	123.3	68.9	17.1	85.9
1988	72.1	1.4	63.1	1.4	138.0	64.5	15.9	80.4
1987	73.4	1.5	59.1	1.3	135.3	62.7	15.2	77.9
1986	78.4	1.9	58.6	1.4	140.2	58.7	13.3	72.0
1984	78.1	1.8	61.5	1.5	142.8	55.2	11.3	66.5
1982	76.8	1.7	58.5	1.5	138.4	52.7	10.8	63.4
1980	76.4	1.5	68.1	1.4	147.4	49.8	10.5	60.3
1975	88.0	3.4	50.5	1.8	143.7	39.9	8.5	48.3
1970	84.4	2.5	61.9	2.9	151.7	40.1	8.1	48.2
1965	73.6	4.3	54.6	3.3	135.8	33.4	7.5	47.3
1960	64.3	5.2	60.4	4.3	134.2	27.8	6.2	34.4
1955	64.0	8.4	62.1	4.1	138.6	21.3	5.0	26.7
1950	50.1	7.3	64.4	3.6	125.4	20.6	4.1	25.1
1945	46.9	10.8	61.9	6.5	126.1	21.6	3.5	25.5

1/Revised. Military purchases are now included in domestic consumption and military personnel in total population. Source: Livestock and Poultry Situation and Outlook Report, February 1991.

COMMERCIAL LIVESTOCK SLAUGHTER: By Months, Wisconsin, 1986-90

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	BEEF CATTLE 1/												
	Number (thousand head)												
1990	**109.4**	**89.2**	**96.5**	**89.3**	**96.0**	**90.5**	**88.4**	**104.0**	**87.5**	**109.7**	**99.9**	**88.7**	**1,149.2**
1989	98.2	93.2	98.7	95.0	101.7	99.7	97.7	107.7	97.0	104.1	110.6	102.4	1,206.0
1988	103.2	100.7	101.2	89.9	94.0	109.8	105.1	100.3	100.4	111.6	115.4	110.2	1,241.8
1987	114.1	103.5	110.0	106.7	103.4	105.9	112.7	108.3	110.8	114.6	108.4	116.5	1,314.9
1986	122.7	98.6	107.4	123.8	117.6	114.0	128.7	115.8	119.0	129.6	115.3	135.7	1,428.3
	Average liveweight (pounds)												
1990	**1,186**	**1,198**	**1,190**	**1,182**	**1,180**	**1,201**	**1,202**	**1,213**	**1,170**	**1,184**	**1,195**	**1,176**	**1,190**
1989	1,195	1,191	1,191	1,192	1,178	1,210	1,187	1,184	1,190	1,181	1,185	1,200	1,190
1988	1,195	1,190	1,195	1,183	1,195	1,171	1,166	1,167	1,166	1,168	1,170	1,183	1,179
1987	1,167	1,101	1,182	1,198	1,204	1,204	1,182	1,181	1,197	1,170	1,186	1,185	1,180
1986	1,174	1,172	1,184	1,154	1,163	1,185	1,170	1,172	1,176	1,150	1,172	1,168	1,170
	Total liveweight (million pounds)												
1990	**129.8**	**106.9**	**114.8**	**105.6**	**113.3**	**108.8**	**106.3**	**126.2**	**102.4**	**129.9**	**119.5**	**104.3**	**1,367.7**
1989	117.3	111.0	117.6	113.3	119.8	120.7	116.0	127.5	115.4	122.9	131.1	122.9	1,435.6
1988	123.4	119.8	120.9	106.4	112.3	128.6	122.5	117.1	117.0	130.4	135.0	130.3	1,463.8
1987	133.2	114.0	130.0	127.8	124.5	127.5	133.2	127.9	132.7	134.1	128.6	138.1	1,551.4
1986	144.0	115.6	127.2	142.9	136.7	135.0	150.7	135.7	139.9	149.1	135.1	158.5	1,670.4
	STEERS AND HEIFERS 2/												
	Number (thousand head)												
1990	**34.6**	**32.0**	**37.0**	**38.1**	**43.0**	**45.7**	**37.3**	**45.3**	**36.0**	**42.4**	**41.1**	**35.2**	**467.7**
1989	29.9	30.4	36.1	36.3	39.6	41.7	37.9	40.5	36.8	36.3	34.8	35.5	435.8
1988	33.3	32.8	33.0	35.2	39.8	44.0	36.5	39.4	38.8	39.3	38.1	36.0	446.2
1987	39.1	37.3	39.1	43.2	45.5	48.0	45.4	38.1	38.6	40.1	37.2	38.7	490.3
1986	31.9	26.5	30.7	32.7	41.2	45.3	47.4	40.9	42.2	42.0	36.3	41.6	458.7
	SLAUGHTER COWS, TOTAL 2/												
	Number (thousand head)												
1990	**66.6**	**50.8**	**52.3**	**44.5**	**44.7**	**37.7**	**39.4**	**49.6**	**43.5**	**56.6**	**50.7**	**45.8**	**582.2**
1989	61.0	56.3	57.6	51.4	54.6	50.3	52.6	58.4	52.4	57.9	65.9	59.1	677.5
1988	62.4	60.9	60.2	47.9	46.1	57.1	60.2	52.6	53.4	62.4	55.5	55.2	673.9
1987	66.4	59.3	62.4	54.9	49.8	49.9	59.3	62.5	63.3	65.1	62.6	69.2	724.7
1986	80.1	64.4	67.2	80.4	67.3	59.7	71.6	66.2	67.4	77.2	69.5	84.3	855.3
	SLAUGHTER COWS, DAIRY 2/												
	Number (thousand head)												
1990	**56.3**	**43.0**	**44.2**	**38.2**	**38.3**	**29.9**	**31.2**	**40.0**	**33.4**	**39.9**	**36.1**	**33.5**	**464.1**
1989	48.1	46.3	47.0	42.1	44.8	41.3	43.8	48.4	43.9	48.5	55.1	49.7	559.0
1988	47.7	46.8	47.1	39.0	37.8	47.2	49.5	43.9	45.6	50.6	55.5	55.2	565.9
1987	49.9	45.4	47.5	41.7	37.9	38.3	45.5	47.9	48.2	49.6	47.6	52.5	552.0
1986	58.1	47.6	48.8	60.1	49.5	44.6	53.2	49.1	50.4	57.7	51.4	64.3	634.8
	SLAUGHTER COWS, OTHER 2/												
	Number (thousand head)												
1990	**10.3**	**7.8**	**8.1**	**6.3**	**6.4**	**7.8**	**8.2**	**9.6**	**10.1**	**16.7**	**14.6**	**12.3**	**118.2**
1989	12.9	10.0	10.6	9.3	9.8	9.0	8.8	10.0	8.5	9.4	10.8	9.4	118.5
1988	14.7	14.1	13.1	8.9	8.3	9.9	10.7	8.7	7.8	11.8	12.6	10.5	131.1
1987	16.5	13.9	14.9	13.2	11.9	11.6	13.8	14.6	15.1	15.5	15.0	16.7	172.7
1986	22.0	16.8	18.4	20.3	17.8	15.1	18.4	17.1	17.0	19.5	18.1	20.0	220.5

COMMERCIAL LIVESTOCK SLAUGHTER: By Months, Wisconsin, 1986-90, Continued

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
CALVES 3/													
Number (thousand head)													
1990	28.2	23.8	26.7	23.0	24.2	24.7	27.1	23.1	23.6	25.9	24.3	22.4	297.0
1989	27.1	26.3	28.8	26.5	28.3	25.9	25.3	26.4	24.3	28.4	25.5	24.3	317.0
1988	28.7	31.6	30.8	24.8	26.0	34.2	29.8	29.5	28.1	28.0	26.2	25.8	343.7
1987	34.1	30.3	35.1	28.9	26.7	31.7	29.9	25.2	30.0	33.7	28.0	34.3	368.0
1986	34.1	33.9	34.5	37.7	35.5	28.6	33.2	26.7	29.5	33.6	29.6	35.2	392.2
Average liveweight (pounds)													
1990	292	297	298	314	328	294	280	311	299	300	295	304	301
1989	291	279	270	325	309	295	277	282	304	299	301	281	293
1988	278	281	292	299	291	263	266	272	298	309	301	280	285
1987	252	261	251	253	264	258	263	256	277	274	265	252	260
1986	231	232	226	219	241	238	246	250	274	272	228	235	240
Total liveweight (million pounds)													
1990	8.3	7.1	7.9	7.2	7.9	7.3	7.6	7.2	7.1	7.8	7.2	6.8	89.3
1989	7.9	7.4	7.8	8.6	8.7	7.6	7.0	7.5	7.4	8.5	7.7	6.8	92.8
1988	8.0	8.9	9.0	7.4	7.6	9.0	7.9	8.0	8.4	8.6	7.9	7.2	97.9
1987	8.6	7.9	8.8	7.3	7.1	8.2	7.9	6.5	8.3	9.2	7.4	8.6	95.8
1986	7.9	7.8	7.8	8.3	8.5	6.8	8.2	6.7	8.1	9.1	6.8	8.3	94.3
ALL HOGS													
Number (thousand head)													
1990	29.7	23.7	30.7	32.5	33.4	34.3	30.1	34.2	28.2	28.8	27.2	25.1	357.9
1989	26.1	24.9	27.6	29.6	33.5	32.5	30.8	35.1	28.1	28.1	24.4	23.5	344.1
1988	15.0	14.1	20.2	20.4	23.4	26.5	24.3	31.5	27.5	26.9	26.5	27.1	283.4
1987	21.1	68.1	128.4	134.2	93.2	89.0	87.4	83.4	100.4	144.4	126.0	29.0	1,104.7
1986	186.4	168.2	188.2	177.0	180.6	150.3	155.1	161.3	182.4	204.8	155.7	152.3	2,062.3
Average liveweight (pounds)													
1990	389	384	372	369	357	340	316	316	332	314	316	324	344
1989	389	384	384	387	400	407	399	378	383	383	388	398	390
1988	354	363	375	384	380	382	371	378	378	379	385	375	377
1987	279	266	254	257	262	267	267	262	257	260	254	280	261
1986	243	241	244	252	253	253	251	255	245	248	250	252	249
Total liveweight (million pounds)													
1990	11.5	9.1	11.4	12.0	11.9	11.7	9.5	10.8	9.4	9.0	8.6	8.2	123.0
1989	10.2	9.5	10.6	11.5	13.4	13.2	12.3	13.3	10.8	10.7	9.5	9.4	134.2
1988	5.3	5.1	7.6	7.9	8.9	10.1	9.0	11.9	10.4	10.2	10.2	10.2	106.8
1987	5.9	18.1	32.6	34.5	24.4	23.8	23.3	21.8	25.8	37.5	32.0	8.1	288.0
1986	45.3	40.6	45.9	44.6	45.7	38.1	39.0	41.1	44.7	50.9	38.9	38.4	513.1

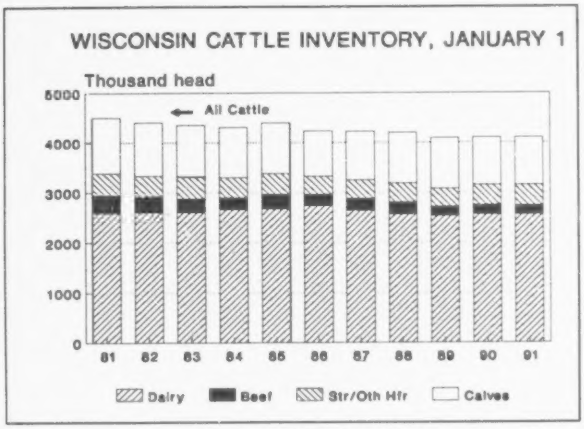
Months will not necessarily add to total due to rounding. 1/Slaughter cows, steers and heifers combined. 2/Federally inspected slaughter only. 3/Includes slaughter "bobs" and special fed veal calves weighing less than 500 pounds.

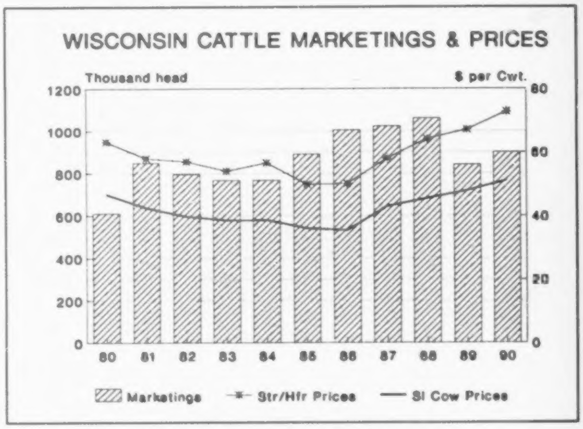
NUMBER OF FEDERALLY INSPECTED PLANTS: Wisconsin, 1981-90

Year	Total	Cattle	Calves	Hogs	Year	Total	Cattle	Calves	Hogs
	Number					Number			
1990	18	14	8	9	1985	17	9	7	9
1989	16	13	9	10	1984	19	9	8	9
1988	17	12	11	10	1983	17	10	9	7
1987	17	12	9	7	1982	17	11	10	8
1986	17	9	8	7	1981	19	11	9	8

CATTLE AND CALVES: Number on Farms, Wisconsin, January 1, 1984-1991

Year	All cattle and calves	Milk cows	Beef cows	Bulls 500 lbs +	Replacement heifers		Other heifers 500 lbs +	Steers 500 lbs +	Calves under 500 lbs
					Dairy 500 lbs +	Beef 500 lbs +			
	1,000 head								
1991	**4,170**	**1,765**	**175**	**32**	**800**	**33**	**90**	**325**	**950**
1990	4,170	1,760	180	33	810	32	100	305	950
1989	4,130	1,740	150	33	795	30	57	300	1,025
1988	4,230	1,790	200	34	775	41	80	295	1,015
1987	4,260	1,825	190	34	814	47	98	277	975
1986	4,280	1,892	184	43	847	47	90	265	912
1985	4,440	1,837	230	42	835	65	92	319	1,020
1984	4,350	1,850	195	43	810	52	87	304	1,009


WISCONSIN CATTLE INVENTORY, JANUARY 1


WISCONSIN CATTLE MARKETINGS & PRICES

CATTLE AND CALVES: Production, Disposition, and Income, Wisconsin, 1983-91

Year	All cattle and calves January 1	Calves born	In-shipments	Marketings		Slaughter on farms	Deaths	
				Cattle	Calves	Cattle and calves	Cattle	Calves
	1,000 head							
1991	**4,170**							
1990	4,170	1,900	38	899	760	9	70	200
1989	4,130	1,900	40	840	760	9	74	217
1988	4,230	1,910	40	1,061	670	9	70	240
1987	4,260	1,940	50	1,023	680	12	80	225
1986	4,280	2,000	42	1,003	717	17	90	235
1985	4,440	2,005	105	890	1,029	26	85	240
1984	4,350	2,020	110	767	917	21	85	250
1983	4,400	1,980	100	767	980	23	90	270

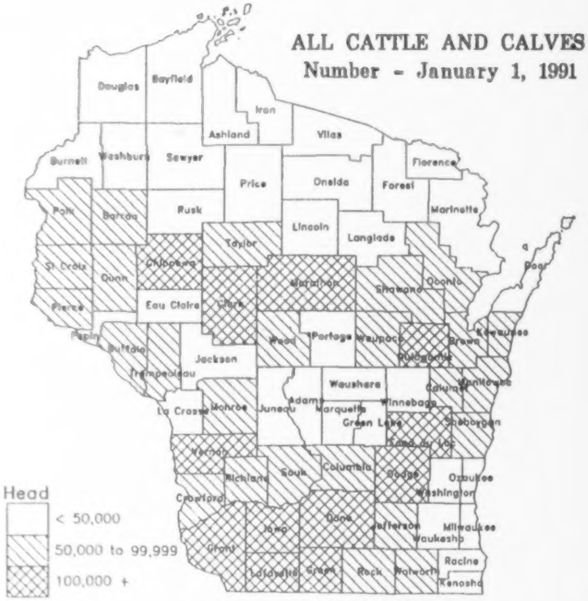
Year	Production	Marketings	Price per 100 pounds		Cash receipts	Value of home consumption	Gross income
			Cattle	Calves			
	1,000 pounds		Dollars		1,000 dollars		
1990	**1,219,550**	**1,213,690**	**61.50**	**140.00**	**883,425**	**19,686**	**903,111**
1989*	1,243,910	1,142,780	55.30	129.00	760,615	18,660	779,275
1988	1,280,095	1,382,590	53.70	124.00	850,632	18,294	868,926
1987	1,354,895	1,339,965	50.80	108.00	770,046	19,160	789,206
1986	1,275,780	1,317,495	42.90	85.70	635,699	21,985	657,684
1985	1,090,110	1,249,570	43.10	85.70	639,215	29,671	668,886
1984	1,156,225	1,084,785	47.40	90.80	611,528	29,285	640,813
1983	1,063,960	1,104,470	46.40	97.90	628,370	26,972	655,342

*Revised.

ALL CATTLE AND CALVES: By Counties, Wisconsin, January 1, 1990-91

County	1991	Rank	1990
	Number		Number
Barron	91,200	17	91,300
Bayfield	11,900	61	11,700
Burnett	14,100	60	13,700
Chippewa	103,900	10	103,600
Douglas	8,100	63*	8,300
Polk	69,500	27	69,600
Rusk	34,100	47	34,000
Sawyer	8,100	63*	8,100
Washburn	15,100	59	14,700
N. W. District	**356,000**		**355,000**
Ashland	7,900	65	7,800
Clark	134,100	5	136,400
Iron	1,200	68	1,600
Lincoln	21,200	54	21,600
Marathon	155,300	3	157,000
Oneida	900	69	900
Price	15,200	58	15,400
Taylor	59,000	34	59,100
Vilas	200	71	200
N. C. District	**395,000**		**400,000**
Florence	2,300	67	2,500
Forest	6,100	66	5,600
Langlade	22,900	52	22,500
Marinette	36,000	46	35,000
Oconto	59,900	33	60,500
Shawano	96,800	15	98,900
N. E. District	**224,000**		**225,000**
Buffalo	78,600	22	78,200
Dunn	90,100	18	90,500
Eau Claire	45,600	40	45,500
Jackson	43,000	43	41,800
La Crosse	46,800	39	45,200
Monroe	83,000	20	83,000
Pepin	25,400	49	26,700
Pierce	72,300	25	71,600
St. Croix	81,500	21	83,600
Trempealeau	95,700	16	93,900
W. C. District	**662,000**		**660,000**
Adams	10,700	62	11,000
Green Lake	39,300	44	39,900
Juneau	37,000	45	37,300
Marquette	21,600	53	21,800
Portage	44,200	41*	44,200
Waupaca	71,800	26	71,300
Waushara	24,800	50	25,600
Wood	54,600	35	53,900
C. District	**304,000**		**305,000**
Brown	88,200	19	87,500
Calumet	61,200	32	61,000
Door	29,400	48	29,000
Fond du Lac	112,000	7	112,500
Kewaunee	62,000	31	61,400
Manitowoc	97,300	14	97,000
Outagamie	100,800	12	99,000
Sheboygan	62,900	29	63,400
Winnebago	44,200	41*	44,200
E. C. District	**658,000**		**655,000**
Crawford	53,200	36	53,800
Grant	212,200	1	214,200
Iowa	110,300	8	112,100
Lafayette	120,800	6	121,200
Richland	62,400	30	61,500
Sauk	99,600	13	99,400
Vernon	103,500	11	102,800
S. W. District	**762,000**		**765,000**
Columbia	76,500	23	74,000
Dane	157,600	2	158,000
Dodge	142,500	4	146,600
Green	108,800	9	110,600
Jefferson	65,100	28	63,800
Rock	75,500	24	72,000
S. C. District	**626,000**		**625,000**
Kenosha	16,600	57	16,600
Milwaukee	600	70	500
Ozaukee	21,000	55	20,600
Racine	19,800	56	19,300
Walworth	52,700	37	50,700
Washington	49,300	38	50,000
Waukesha	23,000	51	22,300
S. E. District	**183,000**		**180,000**
State	**4,170,000**		**4,170,000**

*Tied.



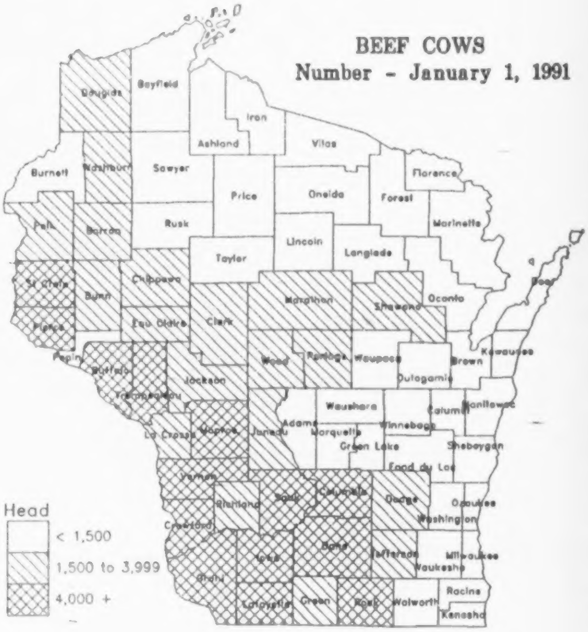
ALL CATTLE AND CALVES
Number - January 1, 1991

Head
< 50,000
50,000 to 99,999
100,000 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Lincoln
Langlade
Marinette
Taylor
Door
St. Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Outagamie
Jackson
Trempealeau
Waushara
Calumet
Manitowoc
Adams
Winnebago
La Crosse
Monroe
Juneau
Marquette
Green Lake
Fond du Lac
Sheboygan
Vernon
Columbia
Dodge
Ozaukee
Richland
Sauk
Washington
Crawford
Iowa
Dane
Jefferson
Milwaukee
Waukesha
Grant
Racine
Lafayette
Green
Rock
Walworth
Kenosha

BEEF COWS: By Counties, Wisconsin, January 1, 1990-91

County	1991	Rank	1990
	Number		Number
Barron	2,100	28 *	2,200
Bayfield	750	59 *	750
Burnett	1,200	44 *	1,200
Chippewa	2,600	21 *	2,700
Douglas	2,100	28 *	2,100
Polk	3,300	20	3,300
Rusk	1,200	44 *	1,200
Sawyer	850	55 *	850
Washburn	1,900	30 *	1,900
N. W. District	**16,000**		**16,200**
Ashland	600	64	600
Clark	2,600	21 *	2,600
Iron	100	70	100
Lincoln	750	59 *	850
Marathon	3,600	18	3,600
Oneida	200	68	200
Price	1,000	52 *	1,100
Taylor	1,300	41 *	1,300
Vilas	50	71	50
N. C. District	**10,200**		**10,400**
Florence	250	67	250
Forest	550	65	500
Langlade	800	57 *	650
Marinette	1,400	40	1,400
Oconto	1,500	34 *	1,700
Shawano	2,200	26 *	2,300
N. E. District	**6,700**		**6,800**
Buffalo	4,900	5 *	4,900
Dunn	3,900	15 *	4,000
Eau Claire	2,200	26 *	2,500
Jackson	1,800	33	1,700
La Crosse	3,500	19	3,400
Monroe	4,100	12	4,100
Pepin	1,300	41 *	1,400
Pierce	4,900	5 *	5,000
St. Croix	4,200	11	4,400
Trempealeau	4,900	5 *	4,900
W. C. District	**35,700**		**36,300**
Adams	1,200	44 *	1,300
Green Lake	1,500	34 *	1,500
Juneau	1,900	30 *	1,900
Marquette	1,200	44 *	1,300
Portage	2,400	24 *	2,600
Waupaca	1,500	34 *	1,500
Waushara	1,000	52 *	1,000
Wood	1,900	30 *	2,000
C. District	**12,600**		**13,100**
Brown	1,200	44 *	1,200
Calumet	700	61 *	700
Door	800	57 *	800
Fond du Lac	1,500	34 *	1,600
Kewaunee	700	61 *	700
Manitowoc	1,000	52 *	1,000
Outagamie	1,500	34 *	1,500
Sheboygan	1,300	41 *	1,400
Winnebago	1,100	49 *	1,100
E. C. District	**9,800**		**10,000**
Crawford	4,800	8	4,700
Grant	19,700	1	20,600
Iowa	9,800	2	9,800
Lafayette	9,200	3	9,400
Richland	3,900	15 *	4,000
Sauk	5,100	4	5,400
Vernon	4,000	13 *	4,300
S. W. District	**56,500**		**58,200**
Columbia	4,700	9	4,800
Dane	4,000	13 *	4,500
Dodge	2,500	23	2,900
Green	3,700	17	3,700
Jefferson	2,400	24 *	2,500
Rock	4,400	10	4,400
S. C. District	**21,700**		**22,800**
Kenosha	650	63	700
Milwaukee	150	69	150
Ozaukee	450	66	650
Racine	850	55 *	900
Walworth	1,500	34 *	1,500
Washington	1,100	49 *	1,100
Waukesha	1,100	49 *	1,200
S. E. District	**5,800**		**6,200**
State	**175,000**		**180,000**

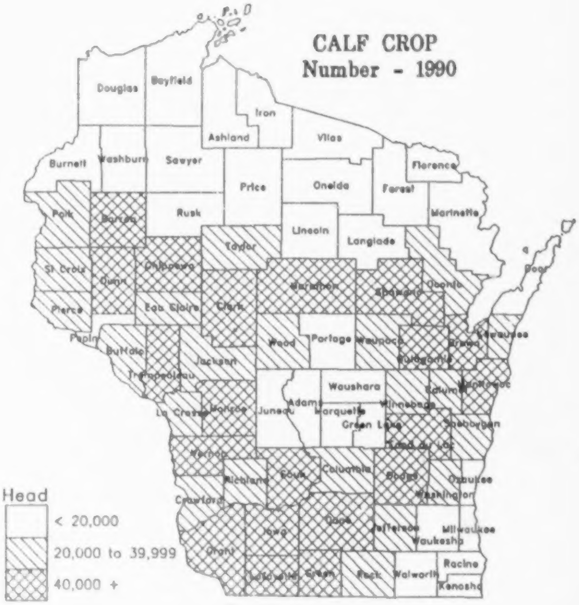
*Tied.


BEEF COWS
Number - January 1, 1991
Head
< 1,500
1,500 to 3,999
4,000 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Marinette
Lincoln
Taylor
Langlade
St. Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Door
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Outagamie
Trempealeau
Jackson
Waushara
Calumet
Manitowoc
Adams
La Crosse
Monroe
Juneau
Marquette
Winnebago
Green Lake
Sheboygan
Fond du Lac
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Crawford
Washington
Iowa
Dane
Jefferson
Milwaukee
Waukesha
Grant
Racine
Lafayette
Green
Rock
Walworth
Kenosha

CALF CROP: By Counties, Wisconsin, 1989-90

County	1990	Rank	1989
	Number		Number
Barron	48,500	11	48,700
Bayfield	5,400	61	5,400
Burnett	6,700	59	6,700
Chippewa	54,500	6	55,400
Douglas	3,300	65	3,200
Polk	33,800	24	34,500
Rusk	18,600	44	18,500
Sawyer	3,700	64	3,800
Washburn	7,200	58	7,300
N. W. District	**181,700**		**183,500**
Ashland	3,800	63	3,900
Clark	67,600	3	68,700
Iron	500	68	500
Lincoln	10,300	54	10,300
Marathon	79,400	2	79,300
Oneida	300	70	300
Price	7,700	57	7,900
Taylor	27,200	34	27,600
Vilas	100	71	100
N. C. District	**196,900**		**198,600**
Florence	1,000	67	1,000
Forest	1,700	66	1,700
Langlade	11,200	50 *	11,400
Marinette	15,900	46	15,600
Oconto	29,200	30	28,700
Shawano	49,000	10	49,400
N. E. District	**108,000**		**107,800**
Buffalo	35,100	23	34,300
Dunn	42,800	16	42,500
Eau Claire	21,400	39	21,700
Jackson	20,300	40	19,500
La Crosse	20,200	41	19,500
Monroe	40,700	19	41,000
Pepin	11,700	49	11,800
Pierce	30,200	28	29,800
St. Croix	37,100	21	37,900
Trempealeau	42,200	17	41,700
W. C. District	**301,700**		**299,700**
Adams	4,300	62	4,000
Green Lake	14,200	48	14,400
Juneau	17,600	45	17,200
Marquette	8,900	55	8,700
Portage	19,500	42	19,100
Waupaca	35,700	22	36,400
Waushara	10,800	53	10,600
Wood	28,700	31	28,200
C. District	**139,700**		**138,600**
Brown	40,000	20	40,300
Calumet	30,400	27	31,100
Door	14,500	47	14,900
Fond du Lac	54,100	7	54,000
Kewaunee	32,300	25	31,800
Manitowoc	46,100	13	47,200
Outagamie	45,700	14	47,000
Sheboygan	31,700	26	31,400
Winnebago	22,200	38	22,100
E. C. District	**317,000**		**319,800**
Crawford	23,200	37	23,000
Grant	82,400	1	80,700
Iowa	45,000	15	45,100
Lafayette	49,700	8	49,200
Richland	28,500	32	28,100
Sauk	41,400	18	41,600
Vernon	47,200	12	47,200
S. W. District	**317,400**		**314,900**
Columbia	30,000	29	29,200
Dane	65,100	4	64,200
Dodge	58,300	5	58,500
Green	49,200	9	49,100
Jefferson	28,200	33	28,400
Rock	26,200	35	25,900
S. C. District	**257,000**		**255,300**
Kenosha	6,200	60	6,200
Milwaukee	400	69	400
Ozaukee	11,100	52	11,000
Racine	8,400	56	8,500
Walworth	18,800	43	18,900
Washington	24,500	36	25,500
Waukesha	11,200	50 *	11,300
S. E. District	**80,600**		**81,800**
State	**1,900,000**		**1,900,000**

* Tied.


CALF CROP
Number - 1990
Head
< 20,000
20,000 to 39,999
40,000 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Price
Oneida
Forest
Florence
Marinette
Polk
Barron
Rusk
Lincoln
Langlade
Taylor
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Door
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Outagamie
Trempealeau
Jackson
Waushara
Calumet
Manitowoc
La Crosse
Monroe
Juneau
Adams
Marquette
Winnebago
Green Lake
Fond du Lac
Sheboygan
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Grant
Iowa
Dane
Jefferson
Milwaukee
Waukesha
Lafayette
Green
Rock
Walworth
Racine
Kenosha

CATTLE AND CALVES: Percent of Operations and Inventory, by Size Group, Wisconsin 1983-89

Year	Operations having:				Inventory on operations having:			
	1-49 head	50-99 head	100-499 head	500 + head	1-49 head	50-99 head	100-499 head	500 + head
	Percent				Percent			
1989	**42.0**	**31.7**	**26.3**	**1/**	**11.0**	**30.6**	**55.0**	**3.4**
1988	41.7	32.6	25.7	1/	11.0	32.0	53.7	3.3
1987	44.3	33.0	22.7	1/	12.5	33.1	51.3	3.1
1986	44.3	33.1	22.6	1/	12.7	33.5	51.2	2.6
1985	46.8	32.5	20.7	1/	14.3	35.0	48.2	2.5
1984	47.0	32.6	20.4	1/	15.3	34.9	47.3	2.5
1983	50.0	29.4	20.6	1/	16.5	33.2	47.5	2.8

1/Combined with 100-499 size group.

BEEF COWS: Percent of Operations and Inventory, by Size Group, Wisconsin 1986-89

Year	Operations having:				Inventory on operations having:			
	1-49 head	50-99 head	100-499 head	500 + head	1-49 head	50-99 head	100-499 head	500 + head
	Percent				Percent			
1989	**94.0**	**4.0**	**2.0**	**1/**	**66.0**	**14.0**	**20.0**	**1/**
1988	95.1	3.5	1.4	1/	66.0	15.3	18.7	1/
1987	95.0	3.7	1.3	1/	70.0	14.5	15.5	1/
1986	95.4	3.2	1.4	1/	65.2	13.7	21.1	1/

1/Combined with 100-499 size group.

HOGS: Number on Farms, Wisconsin, December 1, 1983-90

Year	All hogs and pigs	Breeding hogs	Market hogs				
			Total	< 60 lbs.	60-119 lbs.	120-179 lbs.	180 + lbs.
	1,000 head						
1990	**1,200**	**175**	**1,025**	**375**	**265**	**210**	**175**
1989 *	1,150	160	990	360	268	195	167
1988	1,275	185	1,090	415	273	229	173
1987	1,320	185	1,135	445	270	225	195
1986	1,300	170	1,130	430	272	227	201
1985	1,250	170	1,080	435	270	200	175
1984	1,300	189	1,111	478	272	200	161
1983	1,280	192	1,088	496	262	184	146

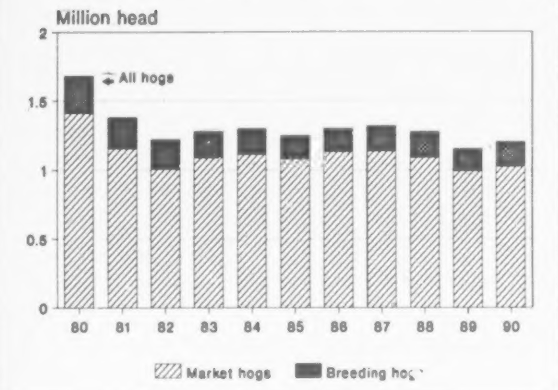
*Revised.

HOGS: Sows Farrowing and Pig Crop, By Quarter, Wisconsin, 1983-90

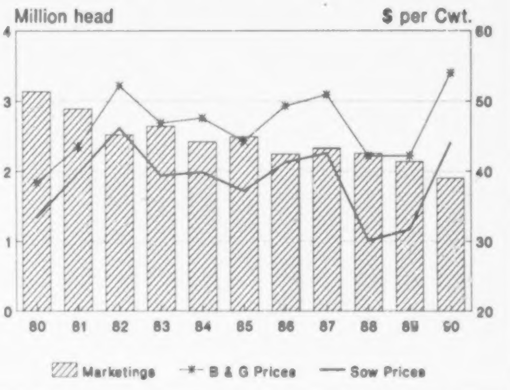
Year	Dec. 1/ - Feb.		Mar. - May		June - Aug.		Sept. - Nov.		Annual pig crop
	Sows farrowing	Pig crop	Sows farrowing	Pig crop	Sows farrowing	Pig crop	Sows farrowing	Pig Crop	
	1,000 head								
1990	**65**	**510**	**65**	**514**	**65**	**507**	**63**	**491**	**2,022**
1989	70	525	70	536	68	530	65	514	2,105
1988	73	569	80	616	83	614	70	532	2,331
1987	78	n.a.	82	2/ 1,232	87	n.a.	68	2/ 1,194	2,426
1986	85	n.a.	75	2/ 1,232	82	n.a.	68	2/ 1,140	2,372
1985	82	n.a.	83	2/ 1,320	80	n.a.	69	2/ 1,177	2,497
1984	86	n.a.	84	2/ 1,275	86	n.a.	74	2/ 1,232	2,507
1983	88	n.a.	102	2/ 1,463	93	n.a.	77	2/ 1,309	2,772

1/December of previous year. 2/Total December-May. 3/Total June-November. N.a. = not available.

WISCONSIN HOG INVENTORY, DECEMBER 1



WISCONSIN HOG MARKETINGS & PRICES



HOGS: Production, Disposition, and Income, Wisconsin, 1983-90

Year	All hogs December 1 previous year	Pig crop			Inshipments	Marketings	Slaughter on farms	Deaths
		Spring Dec. 1/ - May	Fall June - Nov.	Year				
	1,000 head							
1990	**1,150**	**1,024**	**998**	**2,022**	**16**	**1,900**	**3**	**85**
1989	1,275	1,061	1,044	2,105	14	2,140	4	100
1988	1,320	1,185	1,146	2,331	12	2,257	6	125
1987	1,300	1,232	1,194	2,426	12	2,327	6	85
1986	1,250	1,232	1,140	2,372	24	2,248	8	90
1985	1,300	1,320	1,177	2,497	42	2,491	8	90
1984	1,280	1,275	1,232	2,507	31	2,423	10	85
1983	1,220	1,463	1,309	2,772	35	2,642	15	90

Year	Production	Marketings	Price per 100 pounds	Cash receipts	Value of home consumption	Gross income	All hogs December 1 current year
	1,000 pounds		Dollars	1,000 dollars			1,000 head
1990	**459,914**	**450,543**	**52.80**	**242,344**	**893**	**243,237**	**1,200**
1989*	494,582	509,645	41.00	211,935	1,175	213,110	1,150
1988	534,181	535,882	40.80	221,482	1,726	223,208	1,275
1987	563,475	556,166	50.10	284,202	1,413	285,615	1,320
1986	518,778	507,398	48.30	249,898	1,816	251,714	1,300
1985	546,158	550,385	43.20	242,527	1,590	244,117	1,250
1984	531,093	522,830	46.50	248,503	2,139	250,642	1,300
1983	570,785	563,034	45.60	262,417	2,753	265,170	1,280

*Revised. 1/December of previous year.

HOGS AND PIGS: Percent of Operations and Inventory, by Size Groups, Wisconsin, 1988-90

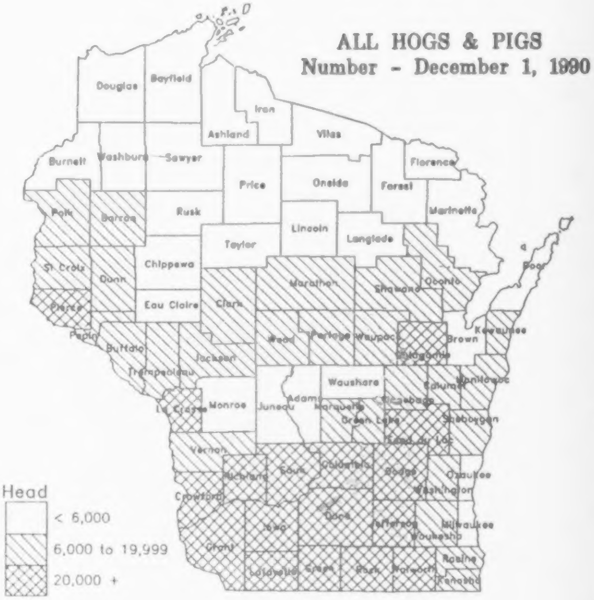
Year	Operations having:				Inventory on operations having:			
	1-99 head	100-499 head	500-999 head	1000 + head	1-99 head	100-499 head	500-999 head	1000 + head
	Percent				Percent			
1990	**67.0**	**25.5**	**6.0**	**1.5**	**11.5**	**38.0**	**29.0**	**21.5**
1989	67.0	26.0	5.6	1.4	12.0	38.0	29.0	21.0
1988 1/	68.0	25.0	5.6	1.4	13.5	38.5	28.0	20.0

1/Not available prior to 1988.

ALL HOGS AND PIGS: By Counties, Wisconsin, December 1, 1989-90

County	1990	Rank	1989 1/
	Number		Number
Barron	7,200	36 *	6,200
Bayfield	250	65	300
Burnett	2,300	54	2,200
Chippewa	3,200	50	3,000
Douglas	350	64	300
Polk	7,200	36 *	7,000
Rusk	1,200	58 *	1,100
Sawyer	1,200	58 *	1,000
Washburn	1,100	60	900
N. W. District	**24,000**		**22,000**
Ashland	200	66	200
Clark	9,900	27	9,000
Iron	-	-	-
Lincoln	1,400	57	1,100
Marathon	7,100	38	7,300
Oneida	700	62	700
Price	100	68	100
Taylor	1,600	56	1,600
Vilas	-	-	-
N. C. District	**21,000**		**20,000**
Florence	50	69	50
Forest	150	67	150
Langlade	400	63	300
Marinette	2,800	51	2,700
Oconto	6,900	40	7,000
Shawano	6,700	41	6,800
N. E. District	**17,000**		**17,000**
Buffalo	18,400	20	17,200
Dunn	19,600	19	18,400
Eau Claire	2,700	52	2,500
Jackson	7,800	34 *	7,300
La Crosse	29,000	10	26,700
Monroe	5,900	45 *	5,900
Pepin	6,000	44	5,300
Pierce	22,300	15	22,000
St. Croix	15,600	21	16,000
Trempealeau	19,700	18	17,700
W. C. District	**147,000**		**139,000**
Adams	2,500	53	2,100
Green Lake	15,200	22	15,200
Juneau	5,500	47	6,100
Marquette	11,800	25	13,100
Portage	9,300	29	10,100
Waupaca	8,000	32 *	8,200
Waushara	5,900	45 *	4,800
Wood	7,800	34 *	6,400
C. District	**66,000**		**66,000**
Brown	5,200	48	5,300
Calumet	6,300	42	5,600
Door	1,800	55	1,300
Fond du Lac	27,300	11	26,100
Kewaunee	8,700	30	7,900
Manitowoc	12,400	24	12,700
Outagamie	24,500	12 *	24,400
Sheboygan	10,800	26	11,000
Winnebago	7,000	39	6,700
E. C. District	**104,000**		**101,000**
Crawford	20,900	17	19,700
Grant	182,400	1	173,000
Iowa	37,000	9	34,300
Lafayette	78,400	3	76,500
Richland	21,600	16	21,200
Sauk	74,100	4	71,400
Vernon	9,600	28	8,900
S. W. District	**424,000**		**405,000**
Columbia	61,800	5	57,400
Dane	83,500	2	76,300
Dodge	58,000	7	59,100
Green	61,700	6	63,100
Jefferson	24,500	12 *	23,400
Rock	42,500	8	37,700
S. C. District	**332,000**		**317,000**
Kenosha	8,000	32 *	7,200
Milwaukee	1,000	61	800
Ozaukee	4,400	49	4,300
Racine	12,500	23	12,300
Walworth	24,400	14	24,300
Washington	8,600	31	8,600
Waukesha	6,100	43	5,500
S. E. District	**65,000**		**63,000**
State	**1,200,000**		**1,150,000**

* Tied. 1/Revised.


ALL HOGS & PIGS
Number - December 1, 1990

Head
< 6,000
6,000 to 19,999
20,000 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Marinette
Lincoln
Langlade
Taylor
St. Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Door
Pierce
Eau Claire
Clark
Kewaunee
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Outagamie
Trempealeau
Jackson
Manitowoc
Waushara
Calumet
Adams
Winnebago
La Crosse
Monroe
Juneau
Marquette
Green Lake
Sheboygan
Fond du Lac
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Crawford
Washington
Dane
Iowa
Jefferson
Milwaukee
Waukesha
Grant
Racine
Lafayette
Green
Rock
Walworth
Kenosha

HOGS: Feeding and Breeding Shipped Out of Wisconsin, 1985-90 1/

State	1990	1989	1988	1987	1986	1985
	Number					
Maine	**32**	-	-	-	-	550
New Jersey	**3,252**	3,277	3,284	76	-	-
Massachusetts	**1,904**	1	600	1,201	955	3,080
New York	**43**	17	-	-	-	-
Pennsylvania	**918**	713	513	744	523	234
New Hampshire	**1**	-	-	-	-	-
Ohio	**12,907**	14,113	14,946	18,021	33,790	31,331
Indiana	**7,015**	7,852	8,420	14,128	14,966	14,169
Illinois	**67,602**	73,487	85,147	87,738	74,357	123,873
Michigan	**2,444**	3,381	5,402	12,768	8,392	18,024
Minnesota	**34,331**	36,769	37,063	24,057	16,755	21,867
Iowa	**82,306**	77,845	73,804	69,336	62,706	92,912
Missouri	**879**	567	167	185	155	272
North Dakota	**110**	99	349	54	16	53
South Dakota	**3,172**	3,140	3,330	3,056	3,561	2,786
Nebraska	**4,186**	5,132	4,700	521	421	1,636
Kansas	**2,405**	1,013	312	257	50	12
Connecticut	**4**	-	-	-	-	-
Delaware	**13**	80	-	-	2	-
Maryland	**253**	585	387	210	-	-
Virginia	**1**	-	-	13	-	-
North Carolina	**1,411**	2,638	241	718	940	181
South Carolina	**144**	397	8	-	5	11
Georgia	**185**	173	6	-	2	-
Florida	**18**	1	-	-	113	-
West Virgina	**2**	-	-	-	-	-
Kentucky	**1,781**	3,490	5,859	7,448	8,467	8,249
Tennessee	**150**	482	36	64	97	37
Alabama	**13**	-	13	-	-	-
Mississippi	**9**	4	12	19	8	-
Arkansas	**1,594**	2,324	557	2	-	30
Oklahoma	**34**	32	66	92	48	87
Texas	**94**	67	119	179	127	229
Louisiana	**10**	-	2	-	-	-
New Mexico	**2**	-	-	-	-	-
Utah	**2**	-	-	2	-	-
Montana	**335**	459	590	369	379	44
Wyoming	**10**	14	18	31	13	18
Colorado	**7**	26	17	722	-	4
Arizona	**42**	25	38	-	-	20
Washington	**4**	7	-	-	-	-
California	**264**	328	63	411	-	31
Idaho	**1**	42	-	-	-	-
Oregon	**1**	-	54	2	-	-
Nevada	**2**	1	1	-	-	-
Alaska	**-**	-	-	-	9	1
Hawaii	**1**	-	-	-	-	-
United States	**229,894**	238,581	246,124	242,424	226,857	319,741
Outside United States	**690**	2,307	1,173	2,055	3,321	4,285
Total	**230,584**	240,888	247,297	244,479	230,178	324,026

1/Permits issued by the Division of Animal Health, Wisconsin Department of Agriculture, Trade and Consumer Protection, almost entirely for feeding.

HOGS: Feeding and Breeding Shipped Out of Wisconsin, By Months, 1983-90 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	1,000 head												
1990	**22.0**	**15.9**	**20.3**	**22.0**	**17.3**	**21.5**	**20.7**	**16.1**	**19.6**	**23.3**	**20.2**	**11.0**	**229.9**
1989	20.8	15.8	22.5	15.9	22.6	23.1	22.3	18.0	22.3	19.7	22.1	15.8	240.9
1988	20.5	20.3	20.0	20.4	20.3	19.9	17.0	17.8	23.4	20.7	24.1	22.7	247.3
1987	19.0	17.7	21.0	20.1	19.8	20.5	23.0	20.3	19.7	22.1	22.4	18.9	244.5
1986	19.8	15.9	19.5	17.2	16.0	17.8	16.0	21.4	23.7	23.7	18.7	20.7	230.2
1985	32.1	66.6	20.3	20.2	24.8	25.5	20.3	21.2	19.7	26.8	24.0	22.7	324.0
1984	35.9	26.5	28.3	28.3	30.3	39.9	30.5	30.3	27.5	32.2	25.3	18.9	353.8
1983	42.0	32.4	34.7	36.7	31.3	47.3	32.6	27.7	26.3	30.3	41.5	35.9	418.6

1/Permits iss[illegible]y the Division of Animal Health, Wisconsin Department of Agriculture, Trade and Consumer Protection, primarily for feeding. Months will not necessarily add to annual total due to rounding.

SHEEP AND LAMBS: Number on Farms, Wisconsin, January 1, 1983-91

Year	All sheep and lambs	Sheep and lambs on feed	Stock sheep and lambs					
			Total	One year and over		Lambs		
				Ewes	Wether and rams	All lambs	Ewes	Wether and rams
	1,000 head	1,000 head	1,000 head					
1991	**103**	**18**	**85**	**67**	**4**	**14**	**10**	**4**
1990	105	15	90	71	4	15	13	2
1989	94	9	85	66	4	15	12	3
1988	93	10	83	63	4	16	13	3
1987	96	7	89	62	5	22	14	8
1986	90	11	79	64	5	10	8	2
1985	100	15	85	66	5	14	11	3
1984	94	10	84	66	5	13	10	3
1983	99	14	85	68	4	13	11	2

SHEEP AND LAMBS: Production, Disposition, and Income, Wisconsin, 1983-91

Year	All sheep and lambs January 1	Lambs saved		Inshipments	Marketings		Slaughter on farms	Deaths	
		Number	Percent of ewes 1 year and older	Sheep and lambs	Sheep	Lambs	Sheep and lambs	Sheep	Lambs
	1,000 head		Percent	1,000 head					
1991	**103**								
1990	105	94	132	2	15	64	0	5	14
1989*	94	100	152	4	5	70	0	5	13
1988*	93	85	135	2	9	65	0	5	7
1987*	96	84	135	2	16	58	1	7	7
1986*	90	84	131	4	9	58	1	6	8
1985*	100	85	129	1	10	70	1	6	9
1984*	94	88	133	3	7	62	1	6	9
1983	99	85	125	5	7	70	1	7	10

Year	Production	Marketings	Price per 100 pounds		Cash receipts
			Sheep	Lambs	
	1,000 pounds		Dollars		1,000 dollars
1990	**8,820**	**9,460**	**12.00**	**54.20**	**4,241**
1989	9,620	8,610	16.00	63.70	5,151
1988	8,667	8,605	18.20	65.20	5,018
1987*	8,222	8,745	24.50	74.10	5,369
1986*	7,022	6,924	21.10	68.30	4,262
1985*	7,170	8,252	16.40	68.90	5,108
1984*	7,116	6,544	11.10	63.40	3,669
1983*	7,2[illegible]3	8,066	11.00	55.00	4,020

*Revised.

WOOL PRODUCTION: Wisconsin, 1983-90

Year	Number of sheep shorn	Weight per fleece	Total production
	1,000 head	Pounds	1,000 pounds
1990	**84**	**7.4**	**618**
1989	94	7.3	687
1988	94	7.5	705
1987	93	7.6	709
1986	95	7.4	700
1985	96	7.3	702
1984	100	7.3	734
1983	107	7.5	803

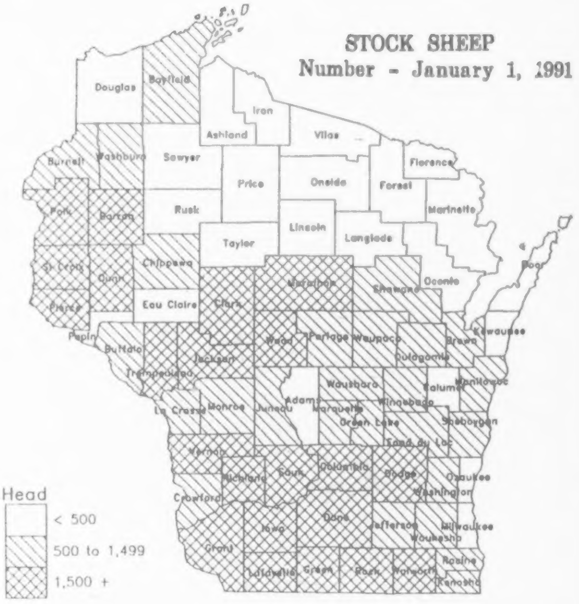
WOOL VALUE: Wisconsin, 1983-90

Year	Total production	Price per pound	Farm value
	1,000 pounds	Cents	1,000 dollars
1990	**618**	**36**	**222**
1989	687	77	529
1988	705	77	543
1987	709	57	404
1986	700	44	308
1985	702	43	302
1984	734	54	396
1983	803	39	313

STOCK SHEEP: By Counties, Wisconsin, January 1, 1990-91

County	1991	Rank	1990
	Number		Number
Barron	1,600	14 *	1,500
Bayfield	600	44 *	600
Burnett	700	40 *	700
Chippewa	1,000	33 *	1,000
Douglas	350	54	300
Polk	2,400	9 *	2,500
Rusk	450	49 *	400
Sawyer	400	51 *	500
Washburn	600	44 *	600
N. W. District	**8,100**		**8,100**
Ashland	300	55 *	300
Clark	1,500	18 *	1,400
Iron	100	66 *	100
Lincoln	300	55 *	300
Marathon	1,900	13	1,900
Oneida	50	68 *	50
Price	300	55 *	250
Taylor	300	55 *	300
Vilas	50	68 *	-
N. C. District	**4,800**		**4,600**
Florence	100	66 *	100
Forest	50	68 *	50
Langlade	250	62	300
Marinette	200	63 *	200
Oconto	400	51 *	500
Shawano	500	47 *	450
N. E. District	**1,500**		**1,600**
Buffalo	1,400	23 *	1,200
Dunn	2,000	11 *	2,000
Eau Claire	300	55 *	400
Jackson	1,500	18 *	1,700
La Crosse	1,200	27 *	1,400
Monroe	1,200	27 *	1,100
Pepin	300	55 *	200
Pierce	2,800	6	3,400
St. Croix	2,000	11 *	2,200
Trempealeau	1,600	14 *	1,700
W. C. District	**14,300**		**15,300**
Adams	200	63 *	200
Green Lake	1,300	26	1,200
Juneau	900	36 *	800
Marquette	1,400	23 *	1,400
Portage	700	40 *	500
Waupaca	1,200	27 *	1,000
Waushara	600	44 *	600
Wood	1,600	14 *	1,400
C. District	**7,900**		**7,100**
Brown	500	47 *	700
Calumet	450	49 *	550
Door	400	51 *	400
Fond du Lac	1,100	32	1,200
Kewaunee	200	63 *	200
Manitowoc	700	40 *	650
Outagamie	900	36 *	800
Sheboygan	800	38	800
Winnebago	950	35	1,200
E. C. District	**6,000**		**6,500**
Crawford	1,200	27 *	1,400
Grant	3,800	4	3,900
Iowa	2,900	5	3,500
Lafayette	2,400	9 *	2,800
Richland	1,500	18 *	1,800
Sauk	2,600	8	2,800
Vernon	1,600	14 *	1,900
S. W. District	**16,000**		**18,100**
Columbia	4,700	2	5,400
Dane	6,100	1	6,800
Dodge	1,500	18 *	1,500
Green	2,700	7	2,800
Jefferson	1,000	33 *	1,100
Rock	4,500	3	4,900
S. C. District	**20,500**		**22,500**
Kenosha	750	39	750
Milwaukee	50	68 *	50
Ozaukee	300	55 *	400
Racine	1,400	23 *	1,400
Walworth	1,500	18 *	1,500
Washington	700	40 *	700
Waukesha	1,200	27 *	1,400
S. E. District	**5,900**		**6,200**
State	**85,000**		**90,000**

* Tied.


STOCK SHEEP
Number - January 1, 1991

Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Marinette
Lincoln
Langlade
Taylor
Door
St. Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Outagamie
Jackson
Trempealeau
Waushara
Calumet
Manitowoc
La Crosse
Monroe
Juneau
Adams
Winnebago
Marquette
Green Lake
Sheboygan
Fond du Lac
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Iowa
Dane
Jefferson
Milwaukee
Waukesha
Grant
Racine
Lafayette
Green
Rock
Walworth
Kenosha
Head
< 500
500 to 1,499
1,500 +

TROUT: Total Sales, Food Size and Stockers, Pounds Sold and Value, Wisconsin 1980-90

Year ending 1/	Number of operations	Total sales 2/	Foodsize 3/			Stockers 4/		
			Total sold	Average price	Value of sales	Total sold	Average price	Value of sales
	Number	1,000 dols.	1,000 lbs.	Dollars/lbs.	1,000 dols.	1,000 lbs.	Dollars/lbs.	1,000 dols.
1990	**50**	**1,908**	**608**	**2.67**	**1,626**	**109**	**2.00**	**218**
1989	51	1,525	503	2.30	1,155	159	2.06	328
1988 5/	78	7/ 1,170	406	2.41	977	108	1.78	193
1981	30	802	392	1.71	672	65	2.00	130
1980 6/	28	956	440	1.76	774	n.a.	n.a.	n.a.

1/For period September 1 – August 31. 2/Including sales from foodsize, stockers, fingerlings and eggs. 3/Approximately 12 inches or longer. 4/Approximately 6-12 inches. 5/No surveys conducted during 1982-87. 6/Calendar year. 7/Includes value of only foodsize and stockers. N.a. = not available.

TROUT: Percent Sold by Outlet, Wisconsin, 1988-90

Type of outlet	Food size			Stockers		
	1990	1989	1988	**1990**	1989	1988
	Percent					
Fee/rec fishing	**16**	14	26	**22**	43	36
Live haulers	**4**	8	4	**34**	17	9
Other producers	**20**	8	14	**12**	12	34
Restaurant	**49**	49	47	-	-	-
Direct to consumers	**8**	4	6	-	-	-
Processors	**1**	15	2	-	-	-
Other	**2**	2	1	**32**	28	21

HONEY: Production and Value, Wisconsin 1980-90

Year	Colonies of bees	Yield per colony	Honey		
			Pro- duction	Price per pound	Value of production
	1,000 colonies	Pounds	1,000 pounds	Cents	1,000 dollars
1990	**112**	**75**	**8,400**	**59.0**	**4,956**
1989 *	108	74	7,992	57.0	4,555
1988	93	99	9,207	54.0	4,972
1987	83	97	8,051	48.0	3,864
1986	85	50	4,250	52.0	2,210
1982 1/	-	-	-	-	-
1981	125	33	4,125	64.0	2,640
1980	125	48	6,000	58.0	3,480

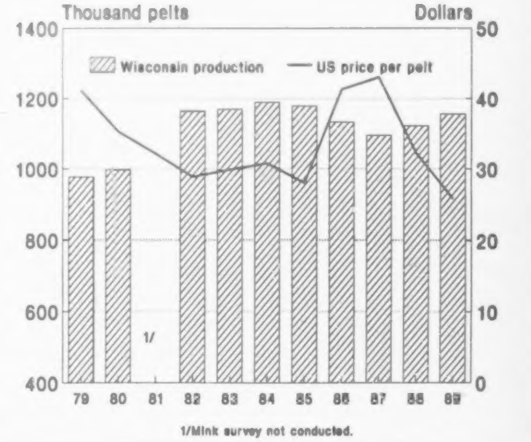
1/Estimates discontinued 1982 through 1985. *Revised.

MINK: Number of Ranches, Pelts Produced, and Females Bred, Wisconsin, 1983-90

Year	Mink ranches	Pelts produced	Females bred
	Number	Thousands	
1990	**n.a.**	**n.a.**	**230**
1989	204	1,155	304
1988	209	1,122	311
1987	213	1,095	295
1986	228	1,133	291
1985	235	1,179	313
1984	241	1,189	310
1983	252	1,169	315

N.a. = not available.

MINK PELT PRODUCTION AND PRICE



1/Mink survey not conducted.

LAYERS: Quarterly Average, Wisconsin, 1983-90

Year	Dec. 1/ – Feb.	March – May	June – August	Sept. – Nov.
	1,000 layers			
1990	**3,439**	**3,476**	**3,453**	**3,380**
1989	3,208	3,235	3,388	3,448
1988	3,663	3,470	3,330	3,330
1987	3,783	3,721	3,635	3,656
1986	3,360	3,360	3,337	3,515
1985	3,479	3,397	3,340	3,340
1984	3,712	3,633	3,427	3,376
1983	3,774	3,742	3,502	3,474

1/December of previous year.

EGG PRODUCTION: Quarterly Total Wisconsin, 1983-90

Year	Dec. 1/ – Feb.	March – May	June – August	Sept. – Nov.
	Million eggs			
1990	**222**	**234**	**233**	**221**
1989	202	211	217	221
1988	234	223	214	210
1987	201	224	241	236
1986	203	212	214	210
1985	214	209	215	199
1984	224	229	218	214
1983	221	235	227	223

1/December of previous year.

CHICKENS: Production & Value, Wisconsin 1984-90

Year 1/	Quantity of chickens: Added	Lost	Sold	Price per pound	Value of sales
	1,000 head			Cents	$1,000
1990	**2,354**	**370**	**2,100**	**11.0**	**855**
1989	3,084	350	2,600	13.0	1,284
1988	3,063	500	2,950	9.0	1,009
1987	2,250	280	2,100	9.0	718
1986	2,765	310	2,100	12.0	958
1985	2,118	400	1,900	13.0	939
1984	2,683	480	2,465	12.5	1,541

1/Year is for the period December 1 - November 30.

EGGS: Production and Value, Wisconsin, 1983-90

Year 1/	Avg. layer during year	Total eggs produced	Eggs per layer	Price per dozen	Value of production
	1,000 hd.	Million	Number	Cents	$1,000
1990	**3,437**	**910**	**264**	**60.1**	**45,576**
1989	3,320	851	256	55.0	39,004
1988	3,448	881	256	38.4	28,192
1987	3,699	902	244	43.0	32,322
1986	3,430	839	245	50.0	34,958
1985	3,389	837	247	45.0	31,388
1984	3,527	885	250	62.0	45,725
1983	3,622	906	250	49.0	36,995

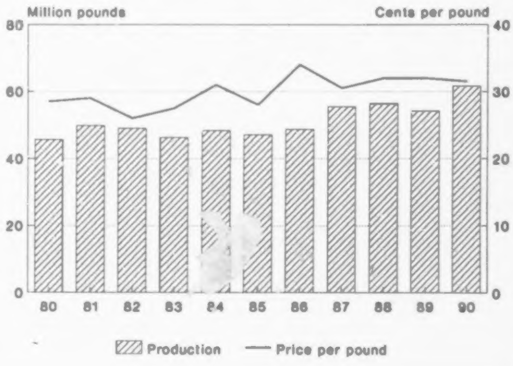
1/Year is for the period December 1 - November 30.

BROILERS 1/
Production and Gross Income, Wisconsin, 1983-90

Year	Production: Number	Quantity	Price per pound	Gross income
	1,000 head	1,000 pounds	Cents	1,000 dollars
1990	**14,000**	**61,600**	**31.5**	**19,404**
1989	12,600	54,180	32.0	17,338
1988	13,100	56,330	32.0	18,026
1987	13,200	55,440	30.5	16,909
1986	11,600	48,720	34.0	16,565
1985	11,200	47,040	28.0	13,171
1984	11,500	48,300	31.0	14,973
1983	11,270	46,207	27.5	12,707

1/Annual totals cover the period December 1 previous year through November 30.

WISCONSIN BROILERS, PRODUCTION & PRICE



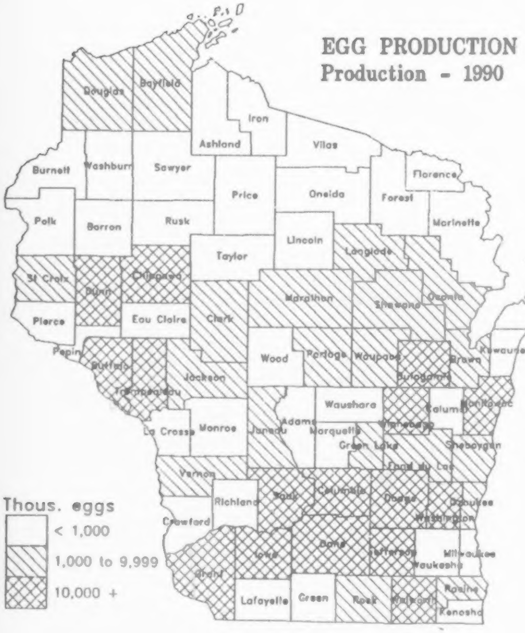
LAYERS AND EGG PRODUCTION: By Counties, Wisconsin, 1989-90

County	Layers—December 1		Egg production		
	1990	1989 1/	1990	Rank	1989 1/
	Number		1,000 eggs		1,000 eggs
Barron	2,700	2,800	720	42	750
Bayfield	6,200	9,700	2,320	27	2,050
Burnett	800	1,000	240	62	270
Chippewa	40,400	42,900	11,520	16	11,330
Douglas	28,400	24,500	6,160	17	6,140
Polk	2,500	2,900	700	44	750
Rusk	1,300	1,600	380	56	440
Sawyer	300	400	90	65	100
Washburn	600	700	170	64	170
N. W. District	**83,200**	**86,500**	**22,300**		**22,000**
Ashland	800	1,200	260	61	320
Clark	5,400	6,100	1,500	29	1,590
Iron	100	100	25	70 *	25
Lincoln	1,300	1,500	370	57	390
Marathon	5,400	5,800	1,460	30	2,500
Oneida	200	200	50	69	50
Price	900	1,200	270	60	320
Taylor	2,300	2,600	640	46	680
Vilas	100	100	25	70 *	25
N. C. District	**16,500**	**18,800**	**4,600**		**5,900**
Florence	300	300	80	66 *	80
Forest	300	300	80	66 *	80
Langlade	6,100	4,700	1,300	31	1,360
Marinette	2,000	2,000	510	51	570
Oconto	10,400	10,900	2,810	26	3,110
Shawano	3,800	4,200	1,020	34	1,400
N. E. District	**22,900**	**22,400**	**5,800**		**6,600**
Buffalo	69,100	56,100	19,120	10	15,910
Dunn	77,400	41,200	13,430	14	14,050
Eau Claire	2,100	2,700	580	47	750
Jackson	16,700	16,100	4,340	20	4,630
La Crosse	2,100	2,600	570	48	700
Monroe	3,500	4,200	940	37	1,150
Pepin	600	1,000	200	63	270
Pierce	3,000	3,400	780	40	930
St. Croix	14,100	12,200	3,100	23	3,030
Trempealeau	83,300	93,300	20,340	9	25,380
W. C. District	**271,900**	**232,800**	**63,400**		**66,800**
Adams	1,200	1,400	330	59	350
Green Lake	10,700	10,750	2,890	25	2,840
Juneau	18,300	18,450	5,010	19	8,980
Marquette	2,600	2,700	660	45	650
Portage	13,500	15,200	3,030	24	3,950
Waupaca	4,300	4,600	1,110	32	1,210
Waushara	1,600	2,100	460	53 *	550
Wood	2,700	3,000	710	43	770
C. District	**54,900**	**58,200**	**14,200**		**19,300**
Brown	3,600	3,700	1,040	33	920
Calumet	1,000	1,500	360	58	380
Door	1,400	1,700	440	55	420
Fond du Lac	5,600	36,400	1,710	28	8,930
Kewaunee	2,400	2,900	750	41	730
Manitowoc	68,900	67,400	17,630	11	15,440
Outagamie	60,300	57,800	15,810	12	14,320
Sheboygan	13,300	10,000	3,190	21	2,730
Winnebago	80,000	74,200	24,870	6	18,230
E. C. District	**236,500**	**255,600**	**65,800**		**62,100**

LAYERS AND EGG PRODUCTION: By Counties, Wisconsin, 1989-90, Continued

County	Layers—December 1		Egg production		
	1990	1989 1/	1990	Rank	1989 1/
	Number		1,000 eggs		1,000 eggs
Crawford	2,800	3,800	840	38	900
Grant	61,500	51,100	14,780	13	12,440
Iowa	84,600	84,700	23,560	7	21,210
Lafayette	2,600	3,700	810	39	880
Richland	1,900	2,300	540	49	550
Sauk	305,900	301,000	87,900	3	66,550
Vernon	23,400	24,800	5,970	18	6,570
S. W. District	**482,700**	**471,400**	**134,400**		**109,100**
Columbia	90,900	92,200	26,330	5	24,020
Dane	232,000	219,300	58,030	4	57,170
Dodge	72,800	75,100	22,660	8	21,330
Green	1,500	1,900	460	53 *	510
Jefferson	1,299,800	1,424,800	371,010	1	327,310
Rock	3,200	4,200	1,010	35	1,060
S. C. District	**1,700,200**	**1,817,500**	**479,500**		**431,400**
Kenosha	1,800	2,600	500	52	650
Milwaukee	300	200	60	68	50
Ozaukee	11,400	11,700	3,140	22	3,490
Racine	4,000	4,800	1,000	36	1,470
Walworth	471,000	441,900	102,090	2	110,270
Washington	45,800	47,900	12,680	15	12,200
Waukesha	1,900	2,700	530	50	670
S. E. District	**536,200**	**511,800**	**120,000**		**128,800**
State	**3,405,000**	**3,475,000**	**910,000**		**852,000**

* Tied. 1/Revised.

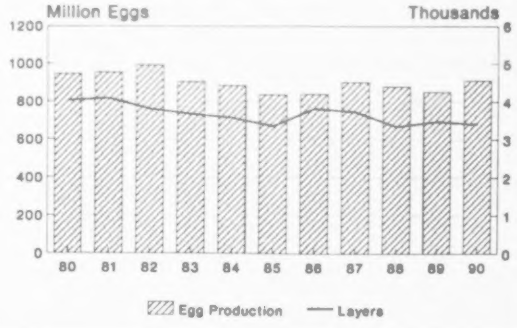

EGG PRODUCTION
Production - 1990
Thous. eggs
< 1,000
1,000 to 9,999
10,000 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Marinette
Lincoln
Taylor
Langlade
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Door
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Outagamie
Jackson
Trempealeau
Waushara
Calumet
Manitowoc
Adams
Winnebago
La Crosse
Monroe
Juneau
Marquette
Green Lake
Fond du Lac
Sheboygan
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Crawford
Washington
Iowa
Dane
Jefferson
Milwaukee
Waukesha
Grant
Racine
Lafayette
Green
Rock
Walworth
Kenosha

CHICKENS: Number on Farms Wisconsin, December 1, 1983-90

Year	Total chickens 1/	Hens and pullets of laying age			Other pullets 2/
		Total	Hens 1 yr.+	Pullets	
	Thousands				
1990	**4,275**	**3,405**	**2,420**	**985**	**840**
1989	4,200	3,475	1,075	2,400	700
1988	4,205	3,345	1,515	1,830	835
1987	4,440	3,730	1,570	2,160	680
1986	4,555	3,815	1,865	1,950	688
1985	4,350	3,360	1,450	1,910	960
1984	4,635	3,575	1,515	2,060	1,030
1983	4,540	3,670	1,520	2,150	850

1/Excludes commercial broilers. 2/Pullets not of laying age.

WISCONSIN AVERAGE LAYERS AND TOTAL EGG PRODUCTION



Dairy

Milk production in Wisconsin during 1990 totaled 24.4 billion pounds, an increase of nearly 2 percent from 1989. Production was above the previous year for each month except January and February. The greatest increase occurred in July when production was 4.6 percent more than in July 1989.

Milk cow numbers were higher in 1990. The annual average of 1,753,000 milk cows for 1990 was 14,000 cows more than in 1989. Production per cow for 1990 averaged 13,919 pounds, up 118 pounds from 1989. There were 33,000 dairy farms in the state during 1990, a decrease of 1,000 farms from the previous year.

Receipts from dairying totaled $3.2 billion in 1990, a gain of nearly 2 percent from 1989. Monthly milk prices averaged $13.46 per hundredweight for 1990, up one cent from 1989. Prices started the year at $15.38 in January but fell to $11.19 by the end of 1990. The sharpest decline came in February when the all milk price dropped $1.52. The December price of $11.19 was $5.10 below the record set in December 1989.

A major reason for the decline in milk prices during 1990 was lower cheese prices at the National Cheese Exchange in Green Bay. Cheddar cheese prices for barrels and blocks dropped more than 45 cents per pound in 1990. Cheese production utilizes 80 percent of Wisconsin's total milk supply.

The Minnesota-Wisconsin manufacturing grade milk price series, which is used as the base for pricing Grade A milk throughout the Federal Milk Marketing Orders in the United States, also dropped sharply in 1990. The December M-W price of $10.19 was down $4.74 from the record high of a year earlier.

Wisconsin dairy plants manufactured 1.9 billion pounds of cheese in 1990, up 3 percent from 1989. The state accounted for 32 percent of the national cheese output. Production of American cheese totaled 954 million pounds for 1990, 3 percent more than the previous year. Fifty percent of all cheese made in Wisconsin was of the American variety.

Production of Italian cheese continued to increase, reaching a record high of 693 million pounds in 1990. Output of Italian cheese was up 2 percent from 1989 and accounted for 36 percent of all cheese produced in the state. Italian cheese production has more than doubled since 1982.

Output of Swiss cheese, at 39 million pounds in 1990, was 12 percent less than in 1989. Muenster production amounted to 81 million pounds in 1990, up 8 percent from a year earlier. The brick cheese output of 10.5 million pounds was 38 percent above 1989. Blue cheese production totaled over 23 million pounds, up 8 percent from the previous year. All other varieties, including cream cheese, increased 13 percent in 1990.

Photo courtesy of Agri-View

Processed cheese production amounted to 598 million pounds in 1990, an increase of 13 percent from the previous year. Output of processed cheese foods and spreads totaled 288 million pounds, up 14 percent from a year earlier. The cold pack cheese production of 74 million pounds was 2 percent above 1989.

Wisconsin's 1990 butter production of 320 million pounds was up less than 1 percent from 1989. The state accounted for 25 percent of the national butter production. Production of nonfat dry milk for human food totaled 45 million pounds in 1990, down 12 percent from a year earlier, and the lowest output since 1935.

Total production of sweetened and unsweetened condensed whole and skim milk during 1990 was down 16 percent from 1989. The 1990 ice cream production of nearly 20 million gallons was 8 percent below the previous year.

DISPOSITION OF MILK PRODUCED: Wisconsin, 1983-90

Year	Milk used on farms where produced			Milk sold from farms		
	Fed to calves	Consumed as milk or cream	Total	To plants and dealers	Direct to consumers	Total
	Million pounds					
1990	**268**	**73**	**341**	**24,055**	**4**	**24,059**
1989	240	96	336	23,660	4	23,664
1988	250	100	350	24,644	6	24,650
1987	248	124	372	24,420	8	24,428
1986	319	122	441	24,050	9	24,059
1985	346	124	470	24,220	10	24,230
1984	427	173	600	22,890	11	22,901
1983	390	167	557	23,230	13	23,243

SALES AND INCOME FROM MILK: Wisconsin, 1983-90

Year	Milk sold to plants and dealers at wholesale			Milk sold directly to consumers		
	Quantity	Price per 100 pounds	Value	Quantity (milk equivalent)	Price per quart	Value
	Million pounds	Dollars	1,000 dollars	Million quarts	Cents	1,000 dollars
1990	**24,055**	**13.46**	**3,237,803**	**2**	**50**	**930**
1989	23,660	13.45	3,182,270	2	47	874
1988	24,644	11.97	2,949,887	3	43	1,200
1987	24,420	12.15	2,967,030	4	42	1,563
1986	24,050	12.16	2,924,480	4	41	1,716
1985	24,220	12.27	2,971,794	5	42	1,953
1984	22,890	13.13	3,005,457	5	41	2,098
1983	23,230	13.23	3,073,329	6	41	2,479

Year	Combined value of milk and cream sold and direct sales				Value of milk consumed in households where produced	Value of milk fed to calves	Value of milk produced on farms
	Milk utilized	Per 100 pounds milk	Per pound milkfat	Value			
	Million pounds	Dollars	Dollars	1,000 dollars	1,000 dollars		
1990	**24,059**	**13.46**	**3.61**	**3,238,733**	**9,820**	**36,046**	**3,282,198**
1989	23,664	13.45	3.59	3,183,144	12,913	32,280	3,228,341
1988	24,650	11.97	3.23	2,951,087	11,972	29,925	2,992,989
1987	24,428	12.15	3.29	2,968,593	15,069	30,138	3,013,800
1986	24,059	12.16	3.27	2,926,196	14,838	38,799	2,979,833
1985	24,230	12.27	3.31	2,973,747	15,219	42,465	3,031,431
1984	22,901	13.13	3.51	3,007,555	22,720	56,077	3,086,352
1983	23,243	13.23	3.55	3,075,808	22,100	51,690	3,149,598

MILK COWS: Percent of Fat in Milk, and Production of Milk and Milkfat, Wisconsin, 1983-90

Year	Average number of milk cows on farms 1/	Production per milk cow		Percent of fat in milk	Total production	
		Milk	Milkfat		Milk	Milkfat
	1,000 head	Pounds		Percent	Million pounds	
1990	**1,753**	**13,919**	**519**	**3.73**	**24,400**	**910**
1989	1,739	13,801	518	3.75	24,000	900
1988	1,760	14,205	527	3.71	25,000	928
1987	1,795	13,816	510	3.69	24,800	915
1986	1,853	13,222	492	3.72	24,500	911
1985	1,876	13,166	488	3.71	24,700	916
1984	1,828	12,856	481	3.74	23,501	879
1983	1,845	12,900	481	3.73	23,800	888

1/Excludes heifers not yet fresh.

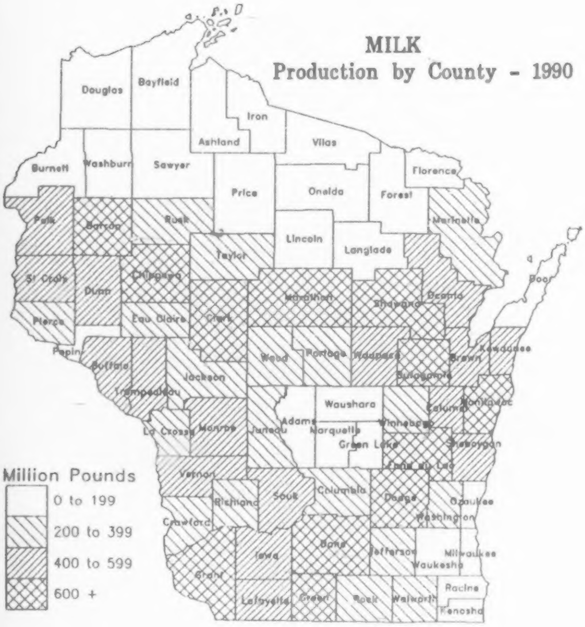
MILK COWS: Production Per Cow, And Total Milk Production, By Counties, Wisconsin, 1989-90

County	1990 1/				1989		
	Number of cows 2/	Milk per cow	Production		Number of cows 2/	Milk per cow	Total Production
			Quantity	Rank			
	Number	Pounds	1,000 pounds		Number	Pounds	1,000 pounds
Barron	46,900	13,400	628,460	12	46,500	13,200	613,800
Bayfield	4,800	13,400	64,320	61	4,800	13,200	63,360
Burnett	5,700	13,500	76,950	60	5,700	13,300	75,810
Chippewa	52,500	13,800	724,500	7	52,800	13,600	718,080
Douglas	1,500	12,600	18,900	65	1,500	12,500	18,750
Polk	31,100	13,900	432,290	27	31,500	13,800	434,700
Rusk	17,600	12,000	211,200	44	17,400	11,900	207,060
Sawyer	3,000	13,300	39,900	64	3,000	13,200	39,600
Washburn	5,500	14,200	78,100	58	5,700	14,200	80,940
N. W. District	**168,600**	**13,491**	**2,274,620**		**168,900**	**13,334**	**2,252,100**
Ashland	3,300	13,300	43,890	62	3,400	13,100	44,540
Clark	65,800	13,500	888,300	2	65,900	13,400	883,060
Iron	400	12,300	4,920	68	400	12,100	4,840
Lincoln	9,700	13,600	131,920	54	9,500	13,500	128,250
Marathon	76,800	14,100	1,082,880	1	75,700	14,000	1,059,800
Oneida	200	11,200	2,240	70	200	11,300	2,260
Price	6,800	11,800	80,240	57	7,000	11,600	81,200
Taylor	26,200	14,200	372,040	31	26,400	14,000	369,600
Vilas	-	-	-	-	-	-	-
N. C. District	**189,200**	**13,776**	**2,606,430**		**188,500**	**13,653**	**2,573,550**
Florence	800	14,300	11,440	67	800	14,200	11,360
Forest	1,300	13,600	17,680	66	1,300	13,600	17,680
Langlade	10,700	14,000	149,800	49	10,800	13,800	149,040
Marinette	14,800	13,700	202,760	46	14,400	13,500	194,400
Oconto	28,000	14,800	414,400	28	27,200	14,700	399,840
Shawano	47,300	13,600	643,280	11	47,400	13,500	639,900
N. E. District	**102,900**	**13,988**	**1,439,360**		**101,900**	**13,859**	**1,412,220**
Buffalo	30,900	14,400	444,960	25	30,100	14,400	433,440
Dunn	39,500	14,700	580,650	13	39,000	14,600	569,400
Eau Claire	19,400	13,100	254,140	38	19,500	13,000	253,500
Jackson	18,900	13,000	245,700	42	18,000	12,800	230,400
La Crosse	17,300	14,100	243,930	43	16,600	14,100	234,060
Monroe	37,300	13,200	492,360	20	37,400	13,200	493,680
Pepin	10,500	13,700	143,850	51	10,600	13,500	143,100
Pierce	25,900	13,400	347,060	33	25,500	13,200	336,600
St. Croix	33,500	14,800	495,800	18	33,800	14,800	500,240
Treampealeau	38,100	12,900	491,490	21	37,300	12,700	473,710
W. C. District	**271,300**	**13,785**	**3,739,940**		**267,800**	**13,697**	**3,668,130**
Adams	3,200	13,400	42,880	63	3,000	13,500	40,500
Green Lake	13,000	13,500	175,500	48	13,200	13,400	176,880
Juneau	16,000	12,700	203,200	45	15,500	12,600	195,300
Marquette	7,800	14,600	113,880	55	7,600	14,600	110,960
Portage	17,400	14,300	248,820	40	17,000	14,200	241,400
Waupaca	34,600	14,100	487,860	22	34,800	13,900	483,720
Waushara	10,000	13,700	137,000	53	9,800	13,600	133,280
Wood	27,200	14,200	386,240	29	26,400	14,000	369,600
C. District	**129,200**	**13,896**	**1,795,380**		**127,300**	**13,760**	**1,751,640**
Brown	39,200	13,800	540,960	16	38,900	13,700	532,930
Calumet	30,000	15,000	450,000	24	30,300	14,900	451,470
Door	13,900	13,900	193,210	47	14,100	13,800	194,580
Fond du Lac	53,100	14,700	780,570	6	52,100	14,500	755,450
Kewaunee	31,900	14,600	465,740	23	31,000	14,500	449,500
Manitowoc	45,500	14,800	673,400	8	45,900	14,700	674,730
Outagamie	44,600	14,500	646,700	10	45,400	14,300	649,220
Sheboygan	30,700	14,400	442,080	26	30,000	14,300	429,000
Winnebago	21,400	14,100	301,740	37	21,000	14,000	294,000
E. C. District	**310,300**	**14,484**	**4,494,400**		**308,700**	**14,353**	**4,430,880**

MILK COWS: Production Per Cow, And Total Milk Production, By Counties, Wisconsin, 1989-90, Continued

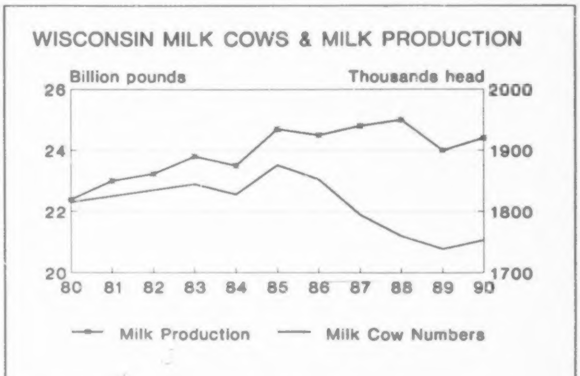
County	1990 1/				1989		
	Number of cows 2/	Milk per cow	Production		Number of cows 2/	Milk per cow	Total Production
			Quantity	Rank			
	Number	Pounds	1,000 pounds		Number	Pounds	1,000 pounds
Crawford	19,100	13,000	248,300	41	19,000	12,800	243,200
Grant	64,500	13,700	883,650	3	63,600	13,600	864,960
Iowa	36,400	13,600	495,040	19	36,500	13,500	492,750
Lafayette	41,600	13,600	565,760	14	41,400	13,500	558,900
Richland	25,100	13,200	331,320	35	24,500	13,100	320,950
Sauk	36,800	14,200	522,560	17	36,900	14,100	520,290
Vernon	43,700	12,800	559,360	15	43,200	12,800	552,960
S. W. District	**267,200**	**13,495**	**3,605,990**		**265,100**	**13,406**	**3,554,010**
Columbia	25,900	14,500	375,550	30	25,200	14,300	360,360
Dane	61,600	14,100	868,560	4	60,000	14,000	840,000
Dodge	56,300	14,200	799,460	5	55,700	14,100	785,370
Green	46,200	14,100	651,420	9	45,700	14,000	639,800
Jefferson	26,200	13,800	361,560	32	26,200	13,700	358,940
Rock	22,400	14,900	333,760	34	22,100	14,800	327,080
S. C. District	**238,600**	**14,209**	**3,390,310**		**234,900**	**14,098**	**3,311,550**
Kenosha	5,650	13,700	77,405	59	5,550	13,700	76,035
Milwaukee	250	13,300	3,325	69	250	13,300	3,325
Ozaukee	10,600	14,000	148,400	50	10,400	13,900	144,560
Racine	7,700	13,900	107,030	56	7,700	14,000	107,800
Walworth	17,600	14,200	249,920	39	17,500	14,100	246,750
Washington	23,700	13,700	324,690	36	24,200	13,400	324,280
Waukesha	10,200	14,000	142,800	52	10,300	13,900	143,170
S. E. District	**75,700**	**13,918**	**1,053,570**		**75,900**	**13,780**	**1,045,920**
State	**1,753,000**	**13,919**	**24,400,000**		**1,739,000**	**13,801**	**24,000,000**

1/Preliminary. 2/Average number of milk cows on farms during year, excluding heifers not yet fresh.


MILK
Production by County - 1990
Million Pounds
0 to 199
200 to 399
400 to 599
600 +
Douglas
Bayfield
Iron
Ashland
Vilas
Burnett
Washburn
Sawyer
Florence
Price
Oneida
Forest
Polk
Barron
Rusk
Marinette
Lincoln
Langlade
Taylor
St Croix
Dunn
Chippewa
Marathon
Shawano
Oconto
Door
Pierce
Eau Claire
Clark
Pepin
Buffalo
Wood
Portage
Waupaca
Brown
Kewaunee
Outagamie
Trempealeau
Jackson
Manitowoc
Waushara
Winnebago
Calumet
Adams
Marquette
La Crosse
Monroe
Juneau
Green Lake
Sheboygan
Fond du Lac
Vernon
Richland
Sauk
Columbia
Dodge
Ozaukee
Washington
Crawford
Iowa
Dane
Jefferson
Milwaukee
Waukesha
Grant
Lafayette
Green
Rock
Walworth
Racine
Kenosha

MILK COWS: Percent of Operations By Size Group, Wisconsin, 1986-90

Year	Operations having:			
	1-29 head	30-49 head	50-99 head	100+ head
	Percent			
1990	**23.3**	**37.0**	**32.7**	**7.0**
1989	23.5	37.9	31.8	6.8
1988	24.2	38.6	31.4	5.8
1987	24.1	39.5	31.1	5.4
1986	26.1	39.0	30.0	4.9



MILK PRODUCTION: By Months, Wisconsin, 1983-90

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	Million pounds												
1990	**2,003**	**1,870**	**2,133**	**2,099**	**2,210**	**2,145**	**2,135**	**2,074**	**1,938**	**1,952**	**1,873**	**1,968**	**24,400**
1989	2,056	1,897	2,119	2,081	2,200	2,087	2,042	1,995	1,874	1,901	1,822	1,926	24,000
1988	2,062	1,968	2,174	2,135	2,263	2,214	2,211	2,106	2,008	1,987	1,880	1,992	25,000
1987	1,966	1,832	2,105	2,106	2,280	2,202	2,178	2,112	2,006	2,035	1,930	2,048	24,800
1986	2,039	1,859	2,109	2,092	2,276	2,232	2,189	2,116	1,938	1,927	1,814	1,909	24,500
1985	1,932	1,764	2,023	2,031	2,255	2,246	2,266	2,210	2,031	2,038	1,915	1,989	24,700
1984	1,934	1,825	2,029	2,006	2,152	2,117	2,060	1,977	1,883	1,871	1,773	1,874	23,501
1983	1,941	1,813	2,044	2,046	2,186	2,157	2,104	2,020	1,912	1,904	1,795	1,878	23,800

MILK COW NUMBERS: By Months, Wisconsin, 1983-90

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	1,000 head												
1990	**1,765**	**1,756**	**1,741**	**1,742**	**1,747**	**1,751**	**1,750**	**1,750**	**1,754**	**1,759**	**1,759**	**1,765**	**1,753**
1989	1,735	1,732	1,730	1,734	1,739	1,739	1,738	1,735	1,735	1,744	1,752	1,759	1,739
1988	1,785	1,781	1,775	1,772	1,768	1,764	1,755	1,748	1,746	1,743	1,741	1,740	1,760
1987	1,820	1,814	1,807	1,800	1,795	1,790	1,785	1,782	1,783	1,785	1,787	1,789	1,795
1986	1,888	1,878	1,875	1,868	1,858	1,852	1,847	1,840	1,837	1,835	1,832	1,827	1,853
1985	1,840	1,838	1,839	1,855	1,879	1,895	1,896	1,889	1,889	1,896	1,896	1,894	1,876
1984	1,842	1,825	1,820	1,824	1,824	1,825	1,823	1,822	1,828	1,834	1,837	1,837	1,828
1983	1,840	1,841	1,841	1,843	1,845	1,844	1,846	1,845	1,847	1,849	1,851	1,850	1,845

MILK PRODUCTION PER COW: By Months, Wisconsin, 1983-90

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	Pounds												
1990	**1,135**	**1,065**	**1,225**	**1,205**	**1,265**	**1,225**	**1,220**	**1,185**	**1,105**	**1,110**	**1,065**	**1,115**	**13,919**
1989	1,185	1,095	1,225	1,200	1,265	1,200	1,175	1,150	1,080	1,090	1,040	1,095	13,801
1988	1,155	1,105	1,225	1,205	1,280	1,255	1,260	1,205	1,150	1,140	1,080	1,145	14,205
1987	1,080	1,010	1,165	1,170	1,270	1,230	1,220	1,185	1,125	1,140	1,080	1,145	13,816
1986	1,080	990	1,125	1,120	1,225	1,205	1,185	1,150	1,055	1,050	990	1,045	13,222
1985	1,050	960	1,100	1,095	1,200	1,185	1,195	1,170	1,075	1,075	1,010	1,050	13,166
1984	1,050	1,000	1,115	1,100	1,180	1,160	1,130	1,085	1,030	1,020	965	1,020	12,856
1983	1,055	985	1,110	1,110	1,185	1,170	1,140	1,095	1,035	1,030	970	1,015	12,900

COWS FRESHENING: By Months, Wisconsin, 1983-90

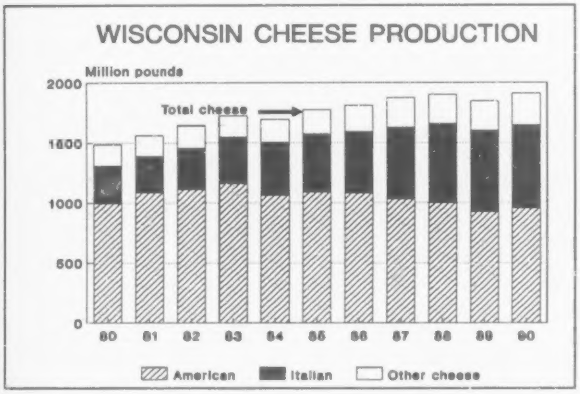
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Percent of total freshenings 1/											
1990	**7.7**	**8.5**	**8.7**	**8.7**	**7.3**	**6.1**	**7.7**	**8.4**	**7.3**	**7.8**	**10.7**	**11.1**
1989	10.4	9.3	8.9	9.5	7.9	6.0	6.7	7.7	7.9	8.6	8.5	8.6
1988	8.5	9.3	9.1	9.0	7.8	6.6	7.7	7.7	8.2	9.0	8.7	8.4
1987	8.3	8.4	8.7	9.5	8.3	9.2	7.8	7.2	7.8	8.1	8.9	7.8
1986	8.4	9.3	8.2	9.2	8.8	7.1	6.4	8.3	8.4	7.4	9.7	8.8
1985	9.3	9.0	8.0	9.2	8.6	7.9	7.0	7.2	7.2	8.5	7.2	10.9
1984	8.5	7.8	7.8	7.0	6.8	8.2	8.1	8.5	9.3	8.9	8.7	10.4
1983	9.3	8.7	7.8	8.8	8.2	7.2	7.8	7.6	7.4	8.7	9.2	9.3

1/Monthly distribution is adjusted for balance to 100 percent for the year, which attributes freshening during the 12 months to the average number of milk cows and heifers two years old and over in the herds of Wisconsin dairy reporters.

BUTTER AND CHEESE PRODUCTION: Wisconsin, 1983-90

Year	Butter	Total cheese 1/	American 2/	Swiss	Brick and Muenster	Italian	Blue
	1,000 pounds						
1990	**320,359**	**1,910,230**	**954,352**	**38,816**	**91,508**	**692,889**	**23,464**
1989	318,717	1,847,455	924,206	43,982	82,560	677,957	21,794
1988	295,576	1,901,377	998,056	53,581	80,368	664,114	20,898
1987	261,493	1,874,492	1,031,110	46,946	93,889	599,765	19,764
1986	273,939	1,813,542	1,081,188	42,768	83,483	510,139	19,113
1985	295,582	1,778,265	1,089,231	40,868	77,530	484,132	19,661
1984	273,002	1,698,150	1,063,716	37,534	70,371	441,163	18,544
1983	304,672	1,728,332	1,158,909	36,138	61,574	388,664	17,113

1/Includes cream cheese, and other miscellaneous types of cheese. Does not include cottage cheese. 2/Includes Colby and all other whole-milk-type American cheese.


WISCONSIN CHEESE PRODUCTION

ICE CREAM, ICE MILK, AND COTTAGE CHEESE Wisconsin, 1983-90

Year	Ice cream	Ice milk	Cottage cheese		
			Curd	Creamed	Lowfat
	1,000 gallons		1,000 pounds		
1990	**19,646**	**5,780**	**25,503**	**29,155**	**12,860**
1989	21,313	6,489	29,058	30,754	12,429
1988	21,103	5,791	29,420	31,978	10,021
1987	25,434	6,268	28,614	33,397	9,516
1986	23,061	4,510	27,929	36,353	8,256
1985	21,651	5,410	28,399	38,216	7,525
1984	22,231	4,914	31,236	44,465	6,978
1983	20,941	5,894	28,245	40,320	6,153

CONDENSED DAIRY PRODUCTS: Wisconsin, 1983-90

Year	Whole milk			Skim milk			Condensed buttermilk
	Condensed (bulk goods)			Condensed (bulk goods)			
	Sweetened	Unsweetened	Total	Sweetened	Unsweetened	Total	
	1,000 pounds						
1990	**100,508**	1/	1/	**42,202**	**53,672**	**95,874**	**27,749**
1989	86,162	16,402	102,564	64,480	91,281	155,761	31,752
1988	69,615	90,418	160,033	57,699	148,306	206,005	31,829
1987	73,515	124,352	197,867	56,601	120,698	177,299	41,415
1986	67,320	127,538	194,858	52,093	119,622	171,715	28,009
1985	64,239	121,033	185,272	45,218	71,964	117,182	24,606
1984	59,575	86,161	145,736	41,834	94,840	136,674	25,563
1983	53,087	65,915	119.002	42,345	44,695	87,040	33,499

1/Not published to avoid disclosure of individual plant operations

DRIED DAIRY PRODUCTS: Wisconsin, 1983-90

Year	Whole milk	Nonfat dry milk			Buttermilk	Malted milk powder
		Human food	Animal feed	Total		
	1,000 pounds					
1990	1/	**44,914**	**673**	**45,587**	**3,563**	**31,945**
1989	1/	51,291	684	51,975	5,002	5,387
1988	1/	60,595	697	61,292	3,914	8,066
1987	1/	60,477	458	60,935	3,105	7,112
1986	1/	95,618	538	96,156	6,169	9,307
1985	1/	123,158	492	123,650	10,618	10,702
1984	1/	101,997	467	102,464	9,137	8,807
1983	1/	129,157	505	129,662	10,833	9,245

1/Not published to avoid disclosure of individual plant operations.

WHEY PRODUCTS: Wisconsin, 1986-90

Year	Dry whey 1/		Lactose		Whey solids in wet blends		Whey protein concentrate	
	Human food	Animal feed	Human food	Animal feed	Human food	Animal feed	Human food	Animal feed
	1,000 pounds solids							
1990	**366,342**	**113,778**	**71,909**	**2/**	**2/**	**2/**	**30,488**	**2/**
1989	343,804	123,129	61,983	2/	2/	2/	31,553	2/
1988	367,589	125,390	57,345	2/	2/	2/	30,465	2/
1987	327,885	161,805	56,114	2/	2/	72,891	14,934	2/
1986	385,755	100,788	45,668	2/	2/	54,620	16,715	2/

1/Includes reduced lactose and reduced minerals whey. 2/Production not shown in order to maintain confidentiality of individual plants.

DAIRY PLANTS MAKING SELECTED PRODUCTS: Wisconsin, 1984-90 1/

Product	1990	1989	1988	1987	1986	1985	1984
	Number of dairy plants						
Butter (including whey butter)	**15**	19	20	21	23	25	25
Cheese							
American	**117**	130	147	168	179	198	214
Swiss	**14**	16	18	18	19	22	21
Muenster	**34**	37	37	39	41	48	41
Brick	**16**	21	23	25	29	32	30
Italian	**51**	53	53	58	56	58	57
Total cheese	**188**	210	225	249	264	284	296
Dry products							
Nonfat dry milk (spray process)	**7**	8	9	10	10	11	10
Dry buttermilk	**3**	5	4	4	3	6	6
Dry whey	**14**	16	19	18	20	22	24
Ice cream	**23**	25	28	31	30	33	34
Ice cream mix	**17**	16	18	16	22	23	22

1/Includes only plants actually making specified product. 2/Not published to avoid disclosure of individual plants.

DAIRY CATTLE AND CALVES: Shipped out of Wisconsin to International Markets, 1987-90

Country	1990	1989	1988	1987
	Number			
N. America				
Canada	**151**	132	220	177
Mexico	**6,567**	4,499	1,835	887
C. America				
El Salvador	**-**	9	-	2
Honduras	**-**	-	-	46
Costa Rica	**-**	-	2	-
Caribbean				
Dominican Republic	**5**	303	46	101
Haiti	**-**	-	-	38
Puerto Rico	**179**	90	692	42
Canary Is.	**-**	67	2	-
S. America				
Argentina	**2**	-	32	13
Brazil	**100**	694	47	159
Colombia	**-**	13	90	251
Ecuador	**-**	-	-	115
Peru	**585**	18	423	228
Venezuela	**-**	169	447	385
USSR	**1**	-	-	-
W. Europe				
Netherlands	**-**	-	-	1
U. K.	**-**	-	-	1

Country	1990	1989	1988	1987
	Number			
Africa				
Morocco	**-**	-	-	1,186
Tunisia	**-**	-	27	-
S. Africa	**-**	9	1	-
E. Europe				
Hungary	**41**	-	5	2
Asia				
Abu Dhabi	**-**	-	-	86
Australia	**14**	1	1	-
China (Mainland)	**-**	40	-	-
Iraq	**-**	-	-	4,477
Japan	**-**	-	56	64
Korea	**2**	1	-	10
Kuwait	**-**	-	382	127
Phillippines	**-**	5	-	-
Saudi Arabia	**-**	174	354	-
Taiwan	**-**	-	181	582
Thailand	**-**	-	199	247
Turkey	**-**	-	131	678
Total 1/	**7,647**	6,224	5,173	9,905

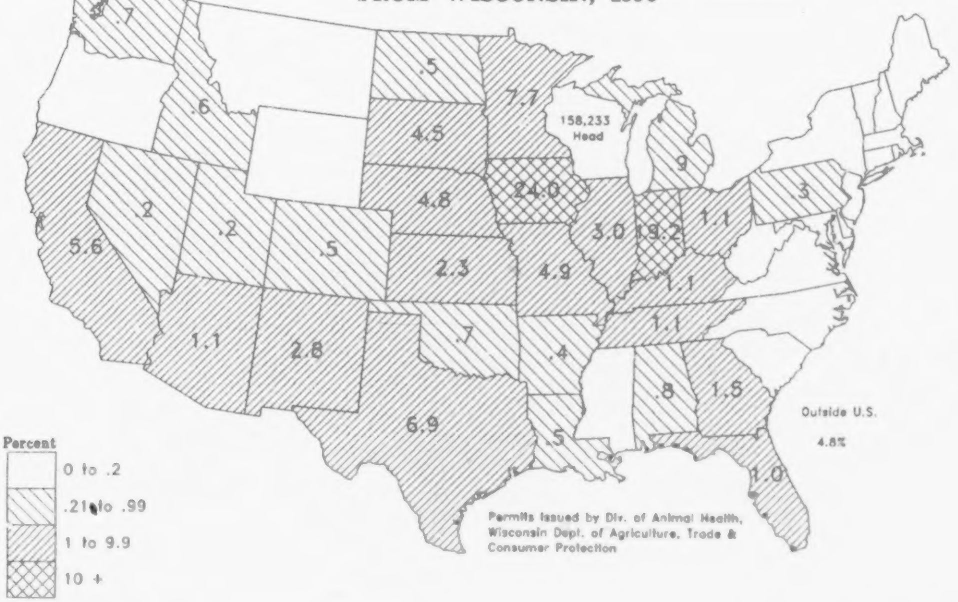
1/Does not include cattle and calves shipped to other states and inspected there for export to international markets.

CATTLE AND CALVES: Shipped Out of Wisconsin, 1987-90 1/

State	1990	1989	1988	1987
	Number			
Rhode Island	-	-	-	-
New Hamp.	1	1	2	-
Maine	2	3	3	4
Vermont	15	9	45	12
Massachusetts	3	3	214	1
Connecticut	-	-	29	5
New York	70	150	114	101
New Jersey	1	2	1	1
Pennsylvania	452	503	390	347
N. Atlantic	544	671	798	471
Ohio	1,709	620	1,347	1,077
Indiana	28,858	34,680	54,320	69,544
Illinois	4,514	3,361	6,443	7,162
Michigan	1,383	3,539	8,261	9,998
E. N. Central	36,464	42,200	70,371	87,781
Minnesota	11,630	9,726	7,669	7,105
Iowa	36,202	33,044	30,378	33,041
Missouri	7,420	6,217	4,920	4,904
North Dakota	712	360	659	558
South Dakota	6,823	3,563	4,396	5,651
Nebraska	7,285	5,109	7,155	8,693
Kansas	3,466	2,631	2,773	2,938
W. N. Central	73,538	60,650	57,950	62,890
Delaware	2	-	-	-
Maryland	182	54	11	9
Virginia	39	2	539	224
West Virginia	157	1	85	133
N. Carolina	181	124	123	174
S. Carolina	237	158	108	85
Georgia	2,214	4,105	2,328	1,792
Florida	1,499	1,512	1,307	1,556
S. Atlantic	4,511	5,956	4,501	3,973
Kentucky	1,692	1,777	1,215	1,028
Tennessee	1,606	1,960	1,722	1,600
Alabama	1,186	967	693	76
Mississippi	152	246	169	363
Arkansas	656	1,415	996	1,069
Louisiana	739	511	651	287
Oklahoma	1,081	1,991	2,385	3,675
Texas	10,334	14,123	17,071	14,235
S. Central	17,446	22,990	24,902	22,333
Montana	159	253	388	341
Idaho	855	1,081	2,493	1,854
Wyoming	61	94	120	52
Colorado	783	339	1,397	1,445
New Mexico	4,241	2,228	2,827	2,923
Arizona	1,645	1,966	1,830	1,937
Utah	321	210	139	119
Nevada	358	215	-	659
Washington	1,030	1,491	1,410	582
Oregon	203	2	310	6
California	8,417	7,023	10,500	6,207
Western	18,073	14,902	21,414	16,125
Alaska	-	50	-	-
Hawaii	-	82	239	-
U.S.	150,576	147,501	180,175	193,573
Outside U.S. 2/	7,647	6,224	5,173	9,905
Total	158,223	153,725	185,348	203,478

1/Permits issued by the Division of Animal Health, Wisconsin Department of Agriculture, Trade and Consumer Protection.
2/Does not include cattle and calves shipped to other states and inspected there for export to international markets.

PERCENT OF CATTLE & CALVES SHIPPED FROM WISCONSIN, 1990



Permits issued by Div. of Animal Health, Wisconsin Dept. of Agriculture, Trade & Consumer Protection

AVERAGE PRICES AND TESTS FOR MILK MARKETED FROM FARMS: By Months, Wisconsin, 1986-90

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
						ALL MILK							
						Dollars per hundredweight							
1990	**15.38**	**13.86**	**13.50**	**13.58**	**13.86**	**14.19**	**14.25**	**14.03**	**13.52**	**12.11**	**11.72**	**11.19**	**13.46**
1989	13.17	12.64	12.31	12.24	12.14	12.26	12.56	13.20	14.17	15.25	15.97	16.29	13.45
1988	12.03	11.71	11.49	11.31	11.16	10.96	11.11	11.62	12.46	13.20	13.53	13.56	11.97
1987	12.81	12.38	12.09	11.93	11.77	11.67	11.68	11.90	12.38	12.63	12.53	12.26	12.15
1986	12.08	11.97	11.91	11.77	11.66	11.56	11.59	11.97	12.59	12.99	13.20	13.12	12.16
						Percent milkfat							
1990	**3.81**	**3.78**	**3.78**	**3.74**	**3.70**	**3.63**	**3.56**	**3.59**	**3.67**	**3.84**	**3.85**	**3.83**	**3.73**
1989	3.83	3.82	3.82	3.78	3.72	3.64	3.56	3.58	3.70	3.82	3.84	3.87	3.75
1988	3.81	3.80	3.77	3.74	3.67	3.53	3.50	3.52	3.70	3.85	3.89	3.86	3.71
1987	3.78	3.76	3.74	3.70	3.63	3.55	3.50	3.53	3.69	3.84	3.85	3.82	3.69
1986	3.81	3.78	3.77	3.71	3.66	3.58	3.55	3.59	3.73	3.82	3.86	3.83	3.72
						MARKET MILK							
						Dollars per hundredweight							
1990	**15.52**	**14.02**	**13.64**	**13.70**	**13.98**	**14.31**	**14.38**	**14.15**	**13.64**	**12.24**	**11.85**	**11.26**	**13.58**
1989	13.31	12.81	12.45	12.38	12.26	12.37	12.66	13.30	14.26	15.35	16.08	16.41	13.58
1988	12.16	11.85	11.62	11.43	11.28	11.08	11.23	11.73	12.55	13.30	13.63	13.67	12.10
1987	12.94	12.53	12.22	12.05	11.89	11.80	11.81	12.02	12.52	12.79	12.67	12.40	12.28
1986	12.16	12.06	11.99	11.85	11.74	11.66	11.69	12.08	12.71	13.10	13.32	13.24	12.26
						Percent milkfat							
1990	**3.80**	**3.78**	**3.77**	**3.74**	**3.69**	**3.63**	**3.56**	**3.59**	**3.66**	**3.82**	**3.84**	**3.82**	**3.72**
1989	3.82	3.81	3.81	3.77	3.71	3.64	3.56	3.58	3.70	3.81	3.83	3.86	3.74
1988	3.80	3.79	3.76	3.73	3.66	3.52	3.49	3.51	3.69	3.84	3.88	3.85	3.71
1987	3.77	3.75	3.73	3.69	3.62	3.54	3.49	3.52	3.68	3.83	3.84	3.81	3.68
1986	3.80	3.77	3.76	3.70	3.64	3.57	3.54	3.58	3.72	3.80	3.84	3.82	3.71
						MANUFACTURING MILK							
						Dollars per hundredweight							
1990	**14.57**	**12.94**	**12.69**	**12.94**	**13.26**	**13.55**	**13.58**	**13.34**	**12.86**	**11.37**	**10.90**	**10.71**	**12.81**
1989	12.51	11.83	11.65	11.60	11.63	11.76	12.09	12.73	13.73	14.72	15.41	15.63	12.81
1988	11.52	11.16	10.98	10.84	10.72	10.53	10.67	11.20	12.12	12.78	13.06	13.05	11.46
1987	12.36	11.84	11.67	11.54	11.40	11.27	11.24	11.48	11.91	12.07	12.00	11.75	11.68
1986	11.82	11.70	11.64	11.53	11.41	11.29	11.28	11.63	12.21	12.63	12.80	12.71	11.83
						Percent milkfat							
1990	**3.84**	**3.81**	**3.81**	**3.77**	**3.73**	**3.65**	**3.58**	**3.61**	**3.70**	**3.89**	**3.92**	**3.90**	**3.76**
1989	3.88	3.85	3.85	3.81	3.75	3.66	3.56	3.58	3.71	3.85	3.90	3.90	3.77
1988	3.84	3.82	3.79	3.76	3.69	3.55	3.52	3.54	3.72	3.89	3.95	3.92	3.74
1987	3.82	3.79	3.77	3.73	3.67	3.58	3.52	3.56	3.72	3.89	3.91	3.87	3.73
1986	3.85	3.82	3.80	3.75	3.70	3.61	3.57	3.62	3.78	3.89	3.91	3.88	3.75
						ALL CHEESE							
						Dollars per hundredweight							
1990	**14.57**	**12.94**	**12.69**	**12.94**	**13.27**	**13.56**	**13.59**	**13.36**	**12.87**	**11.40**	**10.92**	**10.74**	**12.82**
1989	12.52	11.83	11.66	11.60	11.65	11.78	12.12	12.77	13.75	14.74	15.43	15.64	12.82
1988	11.55	11.18	11.00	10.86	10.74	10.54	10.68	11.22	12.14	12.81	13.08	13.08	11.48
1987	12.38	11.86	11.69	11.56	11.42	11.29	11.24	11.48	11.91	12.08	12.01	11.76	11.70
1986	11.84	11.72	11.67	11.55	11.44	11.31	11.31	11.65	12.23	12.65	12.83	12.74	11.86
						Percent milkfat							
1990	**3.84**	**3.81**	**3.81**	**3.77**	**3.73**	**3.65**	**3.58**	**3.61**	**3.71**	**3.89**	**3.92**	**3.90**	**3.76**
1989	3.88	3.85	3.85	3.81	3.75	3.66	3.56	3.58	3.72	3.85	3.90	3.91	3.77
1988	3.84	3.82	3.79	3.76	3.69	3.55	3.52	3.54	3.72	3.89	3.95	3.92	3.74
1987	3.82	3.79	3.78	3.74	3.67	3.58	3.52	3.57	3.72	3.89	3.91	3.87	3.73
1986	3.85	3.82	3.81	3.76	3.70	3.62	3.58	3.63	3.78	3.89	3.92	3.89	3.76
						OTHER CHEESE							
						Dollars per hundredweight							
1990	**14.74**	**13.98**	**13.22**	**13.54**	**13.69**	**14.07**	**14.02**	**13.82**	**13.47**	**11.91**	**11.48**	**11.49**	**13.41**
1989	13.33	12.65	12.51	12.35	12.16	12.40	12.50	13.11	13.99	15.05	15.79	15.97	13.38
1988	12.07	11.82	11.63	11.50	11.33	11.05	11.17	11.71	12.50	13.31	13.69	13.70	12.03
1987	12.92	12.53	12.28	12.05	11.96	11.76	11.76	11.94	12.39	12.67	12.65	12.40	12.24
1986	12.39	12.31	12.18	12.02	11.84	11.70	11.72	12.04	12.50	13.00	13.35	13.29	12.32
						Percent milkfat							
1990	**3.93**	**3.89**	**3.89**	**3.84**	**3.78**	**3.74**	**3.62**	**3.66**	**3.72**	**3.85**	**3.90**	**3.89**	**3.80**
1989	3.93	3.93	3.95	3.90	3.80	3.73	3.62	3.63	3.79	3.94	3.96	4.00	3.84
1988	3.88	3.88	3.84	3.81	3.74	3.58	3.53	3.56	3.77	3.95	4.00	3.97	3.78
1987	3.90	3.87	3.85	3.80	3.73	3.62	3.57	3.59	3.76	3.93	3.98	3.91	3.78
1986	3.91	3.87	3.87	3.80	3.73	3.63	3.61	3.64	3.81	3.96	3.98	3.99	3.81

AVERAGE PRICES AND TESTS FOR MILK MARKETED FROM FARMS: By Months, Wisconsin, 1986-90

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
						VARIED PRODUCTS							
						Dollars per hundredweight							
1990	**14.41**	**12.73**	**12.54**	**12.84**	**13.06**	**13.40**	**13.45**	**13.14**	**12.73**	**10.96**	**10.79**	**10.61**	**12.62**
1989	12.38	11.78	11.54	11.55	11.48	11.59	11.91	12.38	13.58	14.57	15.30	15.58	12.66
1988	11.37	11.06	10.85	10.69	10.57	10.39	10.54	11.04	11.92	12.57	12.91	12.89	11.28
1987	12.18	11.67	11.47	11.38	11.26	11.15	11.24	11.44	11.84	12.02	11.94	11.68	11.58
1986	11.66	11.53	11.46	11.35	11.22	11.08	11.11	11.50	12.03	12.42	12.59	12.50	11.63
						Percent milkfat							
1990	**3.83**	**3.81**	**3.81**	**3.76**	**3.70**	**3.62**	**3.56**	**3.59**	**3.68**	**3.87**	**3.90**	**3.88**	**3.74**
1989	3.86	3.84	3.83	3.80	3.73	3.64	3.53	3.56	3.71	3.84	3.89	3.90	3.75
1988	3.83	3.81	3.78	3.75	3.67	3.52	3.49	3.51	3.69	3.85	3.92	3.90	3.72
1987	3.81	3.78	3.76	3.71	3.65	3.56	3.51	3.56	3.70	3.88	3.91	3.87	3.72
1986	3.84	3.81	3.79	3.74	3.66	3.58	3.54	3.60	3.77	3.87	3.90	3.87	3.73
						AMERICAN CHEESE							
						Dollars per hundredweight							
1990	**14.47**	**12.76**	**12.52**	**12.79**	**13.16**	**13.45**	**13.48**	**13.24**	**12.73**	**11.21**	**10.78**	**10.58**	**12.68**
1989	12.41	11.73	11.56	11.53	11.56	11.66	12.01	12.66	13.65	14.60	15.33	15.55	12.71
1988	11.44	11.07	10.90	10.77	10.67	10.48	10.65	11.18	12.11	12.76	13.00	12.98	11.40
1987	12.29	11.75	11.60	11.48	11.35	11.23	11.20	11.42	11.87	12.02	11.92	11.66	11.62
1986	11.76	11.64	11.60	11.48	11.38	11.25	11.25	11.56	12.17	12.57	12.72	12.62	11.77
						Percent milkfat							
1990	**3.84**	**3.81**	**3.81**	**3.78**	**3.73**	**3.65**	**3.58**	**3.61**	**3.71**	**3.89**	**3.91**	**3.90**	**3.76**
1989	3.89	3.86	3.86	3.82	3.77	3.68	3.57	3.59	3.72	3.86	3.91	3.91	3.78
1988	3.85	3.83	3.80	3.77	3.71	3.57	3.54	3.56	3.74	3.91	3.96	3.93	3.75
1987	3.83	3.80	3.79	3.75	3.68	3.60	3.54	3.58	3.74	3.90	3.92	3.88	3.74
1986	3.86	3.82	3.81	3.76	3.71	3.62	3.59	3.63	3.79	3.90	3.92	3.89	3.76
						BRICK AND MUENSTER CHEESE							
						Dollars per hundredweight							
1990	**15.20**	**13.45**	**13.12**	**13.38**	**13.71**	**13.93**	**14.00**	**13.91**	**13.45**	**12.15**	**11.56**	**11.39**	**13.33**
1989	12.80	12.08	11.87	11.83	11.87	12.02	12.41	13.13	14.09	15.08	15.81	16.09	13.14
1988	11.85	11.50	11.27	11.11	10.94	10.73	10.81	11.33	12.24	13.07	13.42	13.42	11.73
1987	12.59	12.09	11.85	11.73	11.52	11.36	11.36	11.59	12.08	12.24	12.20	12.06	11.86
1986	12.10	11.94	11.86	11.77	11.64	11.54	11.55	11.90	12.29	12.77	12.93	12.95	12.06
						Percent milkfat							
1990	**3.85**	**3.81**	**3.79**	**3.75**	**3.73**	**3.62**	**3.57**	**3.62**	**3.71**	**3.90**	**3.96**	**3.93**	**3.76**
1989	3.83	3.80	3.79	3.75	3.68	3.57	3.50	3.55	3.71	3.83	3.87	3.89	3.73
1988	3.80	3.78	3.75	3.71	3.62	3.47	3.44	3.46	3.64	3.82	3.92	3.89	3.68
1987	3.77	3.74	3.70	3.67	3.58	3.48	3.44	3.51	3.69	3.84	3.88	3.85	3.67
1986	3.80	3.75	3.73	3.68	3.62	3.54	3.51	3.57	3.70	3.84	3.87	3.85	3.69
						SWISS CHEESE							
						Dollars per hundredweight							
1990	**14.36**	**12.90**	**12.45**	**12.79**	**13.11**	**13.42**	**13.45**	**13.25**	**12.81**	**11.16**	**10.91**	**10.65**	**12.71**
1989	12.42	11.88	11.61	11.54	11.62	11.70	12.00	12.54	13.66	14.59	15.28	15.35	12.67
1988	11.64	11.32	11.09	10.92	10.78	10.55	10.61	11.04	12.05	12.68	13.01	12.96	11.46
1987	12.45	11.95	11.81	11.59	11.46	11.27	11.16	11.39	11.69	12.04	12.08	11.73	11.69
1986	12.24	12.09	11.93	11.83	11.68	11.60	11.50	11.83	12.46	12.89	13.11	12.98	12.15
						Percent milkfat							
1990	**3.83**	**3.82**	**3.80**	**3.77**	**3.70**	**3.60**	**3.54**	**3.59**	**3.67**	**3.86**	**3.88**	**3.87**	**3.74**
1989	3.83	3.83	3.81	3.77	3.69	3.61	3.49	3.52	3.68	3.81	3.87	3.89	3.73
1988	3.80	3.78	3.74	3.72	3.63	3.47	3.44	3.46	3.64	3.83	3.90	3.87	3.68
1987	3.78	3.73	3.72	3.66	3.59	3.51	3.45	3.50	3.66	3.82	3.86	3.83	3.67
1986	3.77	3.74	3.72	3.68	3.63	3.56	3.51	3.56	3.72	3.85	3.88	3.85	3.70
						ITALIAN CHEESE							
						Dollars per hundredweight							
1990	**14.49**	**12.96**	**12.82**	**12.99**	**13.29**	**13.57**	**13.60**	**13.32**	**12.84**	**11.43**	**10.86**	**10.68**	**12.82**
1989	12.57	11.86	11.69	11.60	11.70	11.87	12.22	12.87	13.83	14.90	15.46	15.61	12.89
1988	11.60	11.20	11.03	10.88	10.73	10.55	10.66	11.23	12.16	12.78	13.07	13.11	11.49
1987	12.48	11.98	11.76	11.64	11.50	11.35	11.27	11.55	11.95	12.11	12.06	11.81	11.76
1986	11.86	11.77	11.71	11.58	11.47	11.34	11.31	11.71	12.31	12.77	12.98	12.88	11.92
						Percent milkfat							
1990	**3.83**	**3.81**	**3.81**	**3.78**	**3.73**	**3.66**	**3.58**	**3.58**	**3.70**	**3.88**	**3.91**	**3.88**	**3.75**
1989	3.88	3.86	3.86	3.82	3.76	3.67	3.56	3.56	3.71	3.83	3.89	3.90	3.77
1988	3.84	3.82	3.79	3.77	3.69	3.56	3.52	3.54	3.73	3.88	3.94	3.92	3.74
1987	3.82	3.79	3.78	3.74	3.67	3.58	3.50	3.55	3.70	3.88	3.90	3.85	3.72
1986	3.86	3.83	3.81	3.76	3.71	3.63	3.58	3.63	3.79	3.89	3.91	3.88	3.76

Economics Affecting the Farm Sector

The information found in the following pages provides a general overview of the economics of the farm sector in Wisconsin. The section can be conveniently divided into four parts. The first four tables present a picture of the overall economic health of the farm sector in the state, along with data showing the number of farms in Wisconsin and the amount of land these farms utilize. The second group of tables pertains to farming inputs: land, labor, and capital. Data are presented on hired workers, production expenditures for the farm sector, costs of production for specific commodity groups (dairy, corn, oats, and hogs) and the value of land and buildings and taxes levied on farms. The third group contains data on issues more closely related to farm markets than farm production. Tables in this group show the prices received by farmers for their products, food expenditures made by households, families, and individuals, and per capita consumption of meat and dairy products in the U.S. Finally, the last group illustrates some of the ties that bind agriculture in Wisconsin and the U.S. with other nations. Tables in this group show the extent of foreign ownership of Wisconsin agricultural land, the uses of these lands, and the largest export markets for U.S. agricultural products.

FARM BALANCE SHEET (Excluding Farm Households): Wisconsin, December 31, 1982-89 1/

Item	1989 2/	1988	1987	1986	1985	1984	1983	1982
	Number							
Farms	81,000	82,000	81,000	82,000	83,000	86,000	88,000	90,000
	Million dollars							
ASSETS								
Total farm assets	19,603.7	19,024.4	17,978.3	17,584.0	18,523.0	23,589.6	26,818.0	28,600.7
Real estate 3/	9,475.6	9,572.5	8,959.4	8,671.4	9,263.0	13,409.6	16,719.2	18,065.3
Livestock & poultry 4/	3,434.7	3,015.0	2,885.9	2,708.6	2,537.0	2,777.8	2,585.0	2,999.7
Machinery and motor vehicles 5/	4,132.5	3,972.5	3,841.6	3,929.3	3,973.6	4,627.8	4,841.6	4,889.5
Crops 6/	1,094.7	1,039.0	918.4	983.3	1,491.0	1,552.7	1,470.8	1,513.0
Financial assets	1,466.2	1,425.4	1,373.0	1,291.6	1,258.3	1,221.7	1,201.4	1,133.2
CLAIMS								
Total farm debt	4,631.7	4,719.9	4,897.1	5,334.8	6,193.9	6,698.5	6,708.2	6,530.4
Real estate debt 7/	2,236.2	2,365.3	2,495.8	2,726.8	3,076.0	3,512.2	3,532.5	3,407.7
Nonreal estate debt 8/	2,395.5	2,354.6	2,401.2	2,608.0	3,117.9	3,186.3	3,175.7	3,122.7
Equity	14,971.9	14,304.5	13,081.3	12,249.2	12,329.1	16,891.1	20,109.8	22,070.3
	Percent							
RATIOS								
Equity/assets	76.4	75.2	72.8	69.7	66.6	71.6	75.0	77.2
Debt/equity	30.9	33.0	37.4	43.6	50.2	39.7	33.4	29.6
Debt/assets, total	23.6	24.8	27.2	30.3	33.4	28.4	25.0	22.8
Debt/assets, real estate	23.6	24.7	27.9	31.4	33.2	26.2	21.1	18.9
Debt/assets, nonreal estate and CCC	23.7	24.9	26.6	29.3	33.7	31.3	31.4	29.6
Returns to operator/total debt 9/	39.1	25.2	31.3	24.9	19.1	15.2	5.6	13.5

1/Data are for farms with annual sales of $1,000 or more. 2/Preliminary. 3/Excludes value of operator dwellings. 4/Excludes horses, mules, and broilers. 5/Includes only farm share value for trucks and autos. 6/All non-CCC crops held on farms plus the value above loan rate for crops held under CCC. 7/Excludes debt on operator dwellings, but includes CCC storage and drying facility loans. 8/Excludes debt for nonfarm purposes. 9/Total debt in this ratio is an average for the year. Source: Economic Indicators of the Farm Sector, USDA, ERS.

INCOME FROM FARMING: Wisconsin, Selected Years

Item	1989	1988	1987	1985	1980	1975	1970	1965
	Number							
Farms	81,000	82,000	81,000	83,000	93,000	100,000	110,000	124,000
	Million dollars							
Gross farm income	6,541.2	5,410.8	5,858.8	5,680.9	5,631.5	3,007.5	1,823.0	1,431.0
Cash income	5,962.4	5,534.2	5,682.5	5,414.8	4,781.2	2,706.7	1,659.2	1,318.3
Farm marketings	5,278.0	4,979.6	5,089.0	5,082.1	4,643.5	2,671.1	1,596.6	1,257.9
Crops	940.5	764.4	871.6	1,026.2	892.0	538.0	218.0	185.8
Livestock and products	4,337.4	4,215.2	4,217.5	4,055.9	3,751.5	2,133.1	1,378.7	1,072.1
Government payments	522.3	409.4	406.0	152.2	12.4	14.1	51.7	51.6
Other farm income	162.1	145.1	187.5	180.4	125.3	21.5	10.9	8.8
Noncash income	381.9	389.8	389.0	426.3	510.8	269.5	155.7	115.5
Value of home consumption	38.0	38.1	41.8	55.2	65.0	70.1	48.1	35.3
Rental value of dwellings	344.0	351.7	347.2	371.1	445.7	199.4	107.6	80.2
Value of inventory adjustment	196.9	– 513.1	– 212.7	– 160.1	339.5	31.2	8.2	– 2.7
Total production expenses	4,672.7	4,202.1	4,300.2	4,469.3	4,286.1	2,231.1	1,246.7	942.6
Intermediate product expenses	2,635.5	2,375.2	2,408.2	2,397.3	2,257.2	1,244.9	677.8	522.6
Farm origin	922.0	842.5	812.2	790.4	793.7	520.9	284.7	193.3
Manufactured inputs	688.1	625.2	613.3	674.9	678.0	327.7	133.3	110.8
Other	1,025.3	907.5	982.7	932.1	785.5	396.3	259.9	218.5
Interest	543.0	545.2	569.8	677.7	555.2	208.4	101.7	58.6
Real estate	265.2	275.9	281.0	348.0	251.3	103.2	46.5	31.6
Nonreal estate	277.8	269.3	288.9	329.8	303.9	105.2	55.1	27.0
Contract and hired labor expenses	356.1	336.6	325.2	296.2	254.3	142.9	82.5	66.3
Net rent to nonoperator landlords	171.1	21.4	79.2	94.0	79.6	28.4	16.7	33.5
Capital consumption	633.2	603.6	605.0	735.6	914.6	465.2	252.4	184.6
Property taxes	333.9	320.2	312.8	268.4	225.2	141.3	115.6	77.0
NET FARM INCOME	1,868.5	1,208.7	1,558.6	1,211.6	1,345.4	776.3	576.3	488.4

Source: Economic Indicators of the Farm Sector: USDA, ERS.

NUMBER OF FARMS AND LAND IN FARMS
Wisconsin, Selected Years

Year	Number of farms	Land in farms	Average size of farm
	Number	Acres	Acres
1950	174,000	23,600	135.6
1955	155,000	23,200	149.7
1960	138,000	22,200	160.9
1965	124,000	21,400	172.6
1970	110,000	20,100	182.7
1975 1/	100,000	19,300	193.0
1976	98,000	19,100	194.9
1977	96,000	18,900	196.9
1978	95,000	18,800	197.9
1979	94,000	18,700	198.9
1980	93,000	18,600	200.0
1981	92,000	18,600	202.2
1982	90,000	18,500	205.6
1983	88,000	18,200	206.8
1984	86,000	18,000	209.3
1985	83,000	17,900	215.7
1986	82,000	17,800	217.1
1987	81,000	17,700	218.5
1988	82,000	17,700	215.9
1989	81,000	17,600	217.3
1990	80,000	17,600	220.0

1/Estimates from 1975 to date defined a farm as a place that sells $1,000 of agricultural products.

NUMBER OF FARMS AND LAND IN FARMS
United States, Selected Years

Year	Number of farms	Land in farms	Average size of farm
	Million	Million acres	Acres
1950	5.65	1,202	213
1955	4.65	1,202	258
1960	3.96	1,176	297
1965	3.36	1,140	340
1970	2.95	1,102	374
1975 1/	2.52	1,059	420
1976	2.50	1,054	422
1977	2.46	1,048	427
1978	2.44	1,045	429
1979	2.44	1,042	428
1980	2.44	1,039	426
1981	2.44	1,034	424
1982	2.41	1,028	427
1983	2.38	1,023	430
1984	2.33	1,018	436
1985	2.29	1,012	441
1986	2.25	1,005	447
1987	2.21	999	451
1988	2.20	995	453
1989	2.17	991	457
1990	2.14	988	461

1/Estimates from 1975 to date defined a farm as a place that sells $1,000 of agricultural products.

VALUE OF LAND AND BUILDINGS AND TAXES LEVIED ON FARM REAL ESTATE: Wisconsin

Year	Value of land and buildings			Taxes levied on farm real estate		
	Average per acre	Value per farm	Total	Average per acre	Average taxes per $100 of full value	Total
	Dollars	Dollars	Million dollars	Dollars	Dollars	Million dollars
1973	328	61,000	6,462	4.96	1.47	89.5
1974	389	72,600	7,624	5.81	1.45	113.5
1975	434	83,800	8,376	6.98	1.61	122.7
1976	496	96,700	9,476	7.78	1.57	135.3
1977	598	117,700	11,303	8.66	1.45	149.0
1978	718	142,100	13,504	9.54	1.33	163.4
1979	856	170,300	16,007	10.98	1.28	187.1
1980	1,004	200,796	18,674	15.58	1.28	213.1
1981	1,152	232,900	21,427	14.43	1.31	244.5
1982	1,144	235,200	21,164	14.04	1.31	236.6
1983	1,113	230,189	20,257	15.32	1.38	254.0
1984	1,104	231,118	19,876	16.08	1.54	263.7
1985	944	203,675	16,905	16.24	1.92	261.8
1986	836	181,576	14,889	16.03	2.26	257.0
1987	777	169,892	13,761	14.40	1.85	238.3
1988	826	178,295	14,620	15.59	1.89	258.0
1989	846	188,450	15,264	1/	1/	1/
1990	803	188,450	15,076	1/	1/	1/

1/Not available at time of publication. Source: Agricultural Resources: Agricultural Land Values and Markets. USDA, ERS, 1990.

The structure of Wisconsin farms during the last forty years has been slightly more stable than at the national level, with the decrease in farm numbers and the increase in farm size from 1950 to 1990 both occurring at a lower rate in Wisconsin than in the U.S.

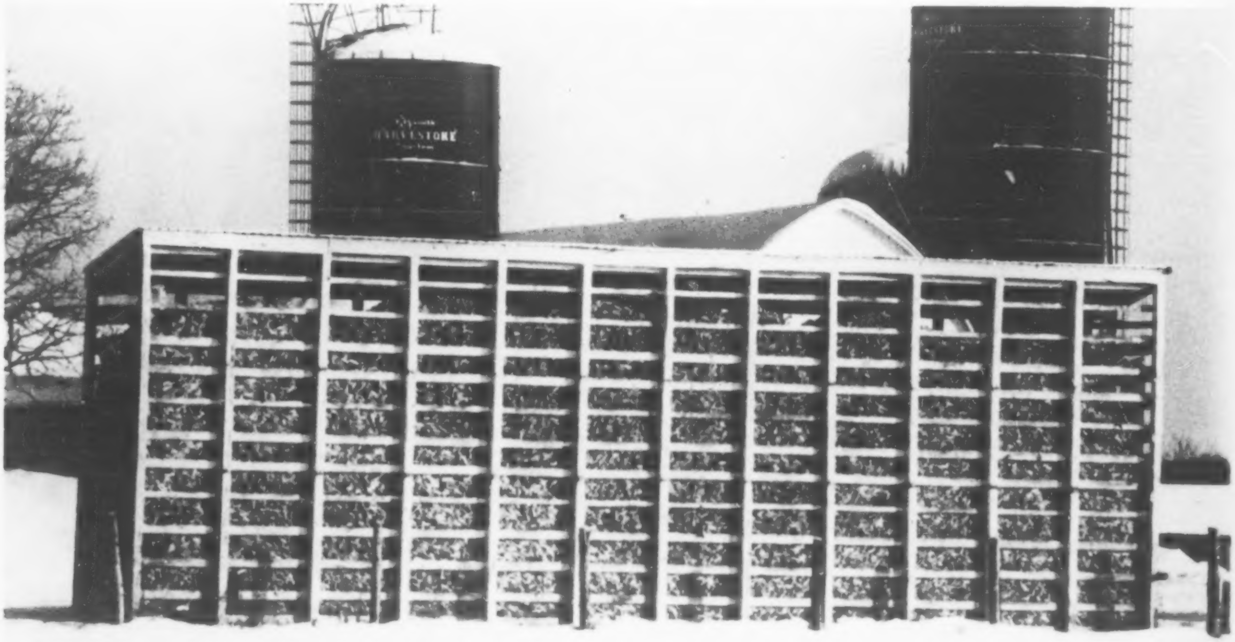


Photo courtesy of Agri-View.

HIRED WORKERS: Lake States Region And U.S. 1/

Month	Number (000)		Average hours worked during survey week		Wages (dollars per hour)	
	Lake States	U.S.	Lake States	U.S.	Lake States	U.S.
1987						
April	79	885	39.9	40.3	4.35	4.90
July	132	1,270	33.1	37.9	4.32	4.78
October	86	997	41.0	40.5	4.45	4.92
1988						
April	93	958	37.8	39.5	4.41	5.00
July	108	1,200	38.2	37.4	4.22	4.90
October	80	976	45.8	41.9	4.83	5.18
1989 2/						
January	53	701	36.6	37.9	4.63	5.51
April	58	830	35.3	40.2	4.53	5.35
July	107	1,197	39.3	39.6	4.57	5.23
October	78	983	42.0	42.3	4.98	5.42
1990						
January	51	690	35.8	37.9	5.33	5.70
April	64	833	37.8	39.8	5.38	5.54
July	116	1,106	32.8	39.9	4.96	5.30
October	77	935	37.8	41.3	5.25	5.64
1991						
January	54	706	40.0	37.9	5.30	6.00
April	74	826	37.3	40.0	5.59	5.81

1/Lake States Region includes Michigan, Minnesota and Wisconsin. 2/The January Agricultural Labor Survey program was re-instituted in 1989. Source: Farm Labor, USDA, NASS.

The table showing hired workers in the Lake States Region and the United States illustrates a strong seasonal process at work, with the number of workers peaking during the summer months. The farm expenses table shows annual declines in expenditures from 1985 to 1988, followed by a $470 million increase in total expenditures during 1989.

FARM PRODUCTION EXPENSES: Wisconsin

Item	1989	1988	1987	1986	1985	1984	1983	I982
	Million dollars							
Current farm operating expenses								
Feed	743.9	681.1	648.9	631.1	615.6	716.6	732.8	667.7
Livestock	40.1	40.6	42.9	34.9	59.1	65.4	59.9	58.9
Seed	138.0	120.8	120.4	117.9	115.7	125.3	99.6	117.5
Fertilizer and lime	268.7	241.0	229.5	240.2	262.2	296.8	238.7	272.5
Repairs & operation, capital items	346.5	305.4	300.6	283.2	286.1	300.7	297.9	294.6
Miscellaneous 1/	1,098.2	986.2	1,065.8	1,042.7	1,058.6	1,227.1	1,168.3	955.8
Hired labor	356.1	336.6	325.2	298.0	296.2	292.9	295.3	306.7
Total current expenses	2,991.5	2,711.7	2,733.3	2,648.0	2,693.5	3,024.8	2,892.5	2,673.7
Depreciation and consumption of farm capital	633.2	603.6	605.0	668.0	735.6	874.1	1,063.9	1,052.5
Taxes on farm property	333.9	320.2	312.8	276.3	268.4	251.0	240.0	221.0
Interest on farm mortgage debt	543.0	545.2	569.8	618.2	677.7	728.7	749.4	756.0
Net rent to non-farm landlords	171.1	21.4	79.2	90.4	94.0	138.5	3.0	73.0
Total production expenses	4,672.7	4,202.1	4,300.2	4,300.9	4,469.3	5,017.1	4,948.6	4,776.2

1/Includes pesticides, fuel and oil, electricity, and other miscellaneous expenses. Source: Economic Indicators of the Farm Sector: State Financial Summary, USDA, ERS.

MILK PRODUCTION COSTS
Per Cwt., Upper Midwest, 1989 1/

Item	Dollars
Cash receipts	14.81
Milk	13.40
Cull cows	1.41
Cash expenses	
Feed	5.86
Concentrates	3.47
By-products	0.10
Hay	1.27
Silage	0.95
Pasture and other forage	0.07
Other	2.58
Milk hauling and marketing	0.57
Artificial insemination	0.13
Veterinary and medicine	0.20
Livestock hauling	0.04
Fuel, lube, and electricity	0.25
Machinery and building repairs	0.45
Hired labor	0.68
DHIA fees	0.06
Dairy supplies	0.20
Dairy assessment	0.00
Total, variable cash expenses	8.44
General farm overhead	1.14
Taxes and insurance	0.43
Interest	1.29
Total, fixed cash expenses	2.86
Total, cash expenses	11.30
Cash receipts less cash expenses	3.51
Capital replacement	2.13
Total, cash expenses and replacement	13.43
Economic (full ownership) costs	
Variable cash expenses	8.44
General farm overhead	1.14
Taxes and insurance	0.43
Capital replacement	2.13
Operating capital	0.08
Other nonland capital	0.92
Land	0.13
Unpaid labor (0.12 hr.)	0.63
Total, economic costs	13.90
Residual returns to management and risk	0.91

1/Includes Wisconsin, Michigan, Minnesota, and South Dakota. Source: Economic Indicators of the Farm Sector: Costs of Production — Livestock and Dairy, 1989. USDA, ERS, 1990.

CROP PRODUCTION COSTS
Lake States–Corn Belt, 1989 1/

Item	Corn	Oats
	$ per planted acre	
Gross value of production		
Primary crop	260.63	100.25
Secondary crop	-	20.30
Total	260.63	120.55
Cash expenses		
Seed	21.22	10.72
Fertilizer	49.31	15.53
Lime and gypsum	2.45	1.65
Chemicals	23.66	0.94
Custom operations	5.51	6.17
Fuel, lubrication, and electricity	8.32	7.02
Repairs	7.16	5.95
Hired labor	7.21	5.09
Drying	9.14	-
Technical services	0.21	-
Total, variable cash expenses	134.19	53.07
General farm overhead	11.56	3.14
Taxes and insurance	18.20	16.37
Interest on operating loans	5.55	1.16
Interest on real estate	11.89	2.58
Total, fixed cash expenses	47.20	23.25
Total, cash expenses	181.39	76.32
Gross value of production less cash expenses	79.24	44.23
Economic (full-ownership) costs		
Variable cash expenses	134.19	53.07
General farm overhead	11.56	3.14
Taxes and insurance	18.20	16.37
Capital replacement	34.72	25.30
Operating capital	4.20	1.09
Other nonland capital	7.27	6.31
Land	62.33	33.40
Unpaid labor	22.99	21.27
Total, economic (full-ownership) costs	295.46	159.95
Residual returns to management and risk	-34.83	-39.40
Harvest-month price (dollars per bushel)	2.18	1.53
Yield (bushels per planted acre)	119.47	65.40

1/ Lakes States - Corn Belt region includes Minnesota, Wisconsin, Michigan, Iowa, Illinois, Indiana, Ohio and Missouri. Source: Economic Indicators of the Farm Sector: Costs of Production—Major Field Crops, 1989. USDA, ERS, 1991.

HOGS: Farrow-To-Finish Production Costs: Per Cwt. All Sizes of Operation, North Central Region 1/, 1989

Item	Dollars
Cash receipts	
Cull sows (5.8 lbs.)	2.04
Slaughter hogs (94.2 lbs.)	41.22
Total, cash receipts	43.26
Cash expenses	
Feed	27.55
Grain (348.7 lbs.)	14.75
Protein supplements (80.8 lbs.)	12.78
Pasture (.01 ac)	0.02
Other	6.96
Veterinary and medicine	0.60
Livestock hauling	0.15
Marketing	0.40
Bedding (14 lbs.)	0.18
Fuel, lube, and electricity	1.93
Machinery and building repairs	2.55
Hired labor (.17 hr)	1.38
Manure credit	-0.23
Total, variable cash expenses	34.51
General farm overhead	4.98
Taxes and insurance	0.74
Interest	4.21
Total, fixed cash expenses	9.93
Cash receipts less cash expenses	-1.18
Capital replacement	5.89
Total, cash expenses and replacement	50.33
Net cash returns	-7.07
Economic (full ownership) costs	
Variable cash expenses	34.51
General farm overhead	4.98
Taxes and insurance	0.74
Capital replacement	5.89
Operating capital	0.69
Other nonland capital	1.60
Land	0.08
Unpaid labor (0.91 hr.)	5.16
Total, economic costs	53.65
Residual returns to management and risk	-10.39

1/ Includes Iowa, Illinois, Indiana, Ohio, Missouri, and portions of Kansas, Nebraska, South Dakota, Minnesota, Wisconsin, and Michigan. Source: Economic Indicators of the Farm Sector: Costs of Production — Livestock and Dairy, 1989. USDA, ERS, 1990.

DAIRY: Per Capita Consumption United States, Selected Years

Year	Fluid milk & cream 1/	Butter	American cheese	Other cheese	Cottage cheese	Ice cream
	Pounds					
1910	252	18.3	2.8	1.5	0.6	1.9
1915	254	17.2	2.5	1.6	0.7	3.9
1920	278	14.9	2.8	1.2	0.6	7.6
1925	270	18.1	3.3	1.4	0.9	9.7
1930	270	17.6	3.2	1.5	1.2	9.8
1935	261	17.6	3.8	1.5	1.3	8.1
1940	265	17.0	4.4	1.6	1.9	11.4
1945	335	10.9	4.8	1.9	2.6	15.7
1950	297	10.7	5.5	2.0	3.1	17.2
1955	306	9.0	5.4	2.5	3.9	18.0
1960	285	7.5	5.4	2.9	4.8	18.3
1965	269	6.4	6.2	3.4	4.7	18.5
1970	276	5.4	7.0	4.3	5.2	17.8
1975	261	4.7	8.2	6.1	4.7	18.6
1980	246	4.5	9.6	7.9	4.4	17.5
1985	241	4.9	12.2	10.4	4.0	18.1
1990	230	4.3	11.1	13.4	3.4	15.9

1/Product pounds of commercial sales and on-farm consumption. Commercial sales includes whole milk, lowfat milk, skim milk, buttermilk, flavored milk and drinks, cream, milk-cream mixtures, sour cream and dips, eggnog, and yogurt.

MEAT: Per Capita Consumption 1/ United States, Selected Years

Year	Beef	Veal	Pork	Lamb & mutton	Chicken	Turkey
	Retail weight in pounds					
1910	55.6	6.6	57.9	5.8	15.5	1.0
1915	44.6	5.4	61.8	5.4	14.4	1.2
1920	46.7	7.3	59.1	4.8	13.7	1.3
1925	47.0	7.8	62.1	4.6	14.3	1.3
1930	38.6	5.8	62.4	6.0	15.7	1.5
1935	42.0	7.7	45.0	6.5	13.1	1.7
1940	43.4	6.7	68.4	5.9	14.1	2.9
1945	46.9	10.8	61.9	6.5	21.6	3.5
1950	50.1	7.3	64.4	3.6	20.6	4.1
1955	64:0	8.4	62.1	4.1	21.3	5.0
1960	64.3	5.2	60.4	4.3	27.8	6.2
1965	73.6	4.3	54.6	3.3	33.4	7.5
1970	84.4	2.5	61.9	2.9	40.1	8.1
1975	88.0	3.4	50.5	1.8	39.9	8.5
1980	76.4	1.5	68.1	1.4	49.8	10.5
1985	78.8	1.8	62.0	1.4	57.6	12.0
1990	67.5	1.1	49.5	1.5	71.9	18.1

1/Military purchases are now included in domestic consumption and military personnel in total population. Source: Livestock and Poultry Situation and Outlook Report, February 1991.

U.S. HOUSEHOLD EXPENDITURES FOR FOOD IN RELATION TO INCOME BEFORE TAXES:
By Income Group, 1988 1/

Income group	Percentage of total households	Average no. of persons in household	Food expenditures as a percentage of income after taxes
Dollars	Percent	Number	Percent
Under 5,000 2/	8.5	1.7	82.1
5,000 - 9,999	14.6	1.9	28.2
10,000 - 14,999	11.6	2.2	22.5
15,000 - 19,999	10.1	2.5	18.4
20,000 - 29,999	17.9	2.7	15.3
30,000 - 39,999	13.4	2.9	13.3
40,000 - 49,999	8.8	3.2	11.9
Over 50,000	15.0	3.1	8.5
Total households	100.0	2.6	13.3

1/Data are only for those households who reported at least one major source of income and thus were designated as complete income reporters. This classification does not account for possible underreporting of income. 2/Includes negative incomes. Source: Food Consumption, Prices, and Expenditures, 1967-88: USDA, ERS, 1990.

Photo courtesy of Agri-View.

The table below shows that disposable personal income grew at a faster rate during the 1970's and '80's than food expenditures did. As a result, the percent of disposable personal income spent on food trended consistently downward during this time period.

U.S. FOOD EXPENDITURES BY FAMILIES AND INDIVIDUALS AS A SHARE OF DISPOSABLE PERSONAL INCOME: Selected Years 1/

Year	Disposable personal income	Expenditures for food					
		At home 2/		Away from home 3/		Total 4/	
	Billion dollars	Billion dollars	Percent	Billion dollars	Percent	Billion dollars	Percent
1970	715.6	74.2	10.4	25.3	3.5	99.5	13.9
1975	1,142.8	115.1	10.1	44.1	3.9	159.1	13.9
1980	1,917.9	178.5	9.3	82.2	4.3	260.6	13.6
1985	2,838.7	230.5	8.1	126.4	4.5	356.9	12.6
1986	3,013.3	237.9	7.9	132.5	4.4	370.5	12.3
1987	3,205.9	246.4	7.7	145.7	4.5	392.1	12.2
1988	3,477.8	258.6	7.4	156.3	4.5	414.9	11.9
1989	3,780.0	276.6	7.3	164.0	4.3	440.6	11.7

1/Adapted from Food Consumption, Prices, and Expenditures, 1967-88. USDA, ERS, 1990. 2/Food purchases from grocery stores and other retail outlets, including purchases with food stamps and food produced and consumed on farms because the value of these foods is included in personal income. Excludes government-donated foods. 3/Purchases of meals and snacks by families and individuals, and food furnished employees since it is included in personal income. Excludes food paid for by government and business, such as donated foods to schools, meals in prisons and other institutions, and expense-account meals. 4/Total may not add due to rounding.

PRICES RECEIVED BY FARMERS: Marketing Year Average Price 1/, Wisconsin

Year	Beef cattle 2/	Slaughter cows	Calves	Hogs	Lambs	Milk cows	All milk	Eggs 3/
	Dollars per 100 pounds					Dollars per head	Dollars per cwt.	Cents per dozen
1979	54.70	50.90	113.00	41.40	62.50	1,020	11.75	53.90
1980	50.80	46.70	106.00	38.00	63.60	1,160	12.67	46.50
1981	50.70	42.50	103.00	43.10	54.00	1,180	13.38	50.00
1982	48.90	39.80	92.50	51.00	54.00	1,070	13.22	45.00
1983	46.40	38.60	97.90	45.60	55.00	1,000	13.23	47.40
1984	47.40	38.70	90.80	46.50	63.40	875	13.13	61.00
1985	43.10	36.10	85.70	43.20	68.90	830	12.27	43.00
1986	42.90	35.50	85.70	48.30	68.30	775	12.16	47.80
1987	50.80	43.00	108.00	50.10	74.10	880	12.15	41.00
1988	53.70	45.50	124.00	40.80	65.20	935	11.97	35.20
1989	55.30	47.90	129.00	41.00	63.70	990	13.45	51.40
1990	61.50	51.10	140.00	52.80	54.20	1,140	13.46	57.30

Year	Corn	Oats	All wheat	Soybeans	Barley	All hay	Potatoes	All tobacco
	Dollars per bushel					Dollars per ton	Dollars per cwt.	Cents per pound
1979	2.46	1.30	3.70	6.00	2.05	31.00	4.30	117.0
1980	2.99	1.60	3.85	7.35	2.30	41.50	10.10	125.0
1981	2.31	1.77	3.50	5.95	2.35	66.00	4.70	110.6
1982	2.69	1.62	3.10	5.63	2.12	66.50	4.10	103.7
1983	3.15	1.74	3.50	7.60	2.50	77.00	5.55	109.6
1984	2.58	1.64	3.25	5.70	2.20	64.00	4.80	110.5
1985	2.19	1.31	2.80	4.85	1.55	73.50	3.15	103.0
1986	1.46	1.13	2.34	4.57	1.24	53.00	4.60	93.4
1987	2.01	1.50	2.33	5.71	1.55	53.50	3.85	100.0
1988	2.55	2.44	3.28	7.21	2.32	107.00	6.40	125.0
1989	2.31	1.34	3.50	5.40	2.10	74.00	7.20	150.0
1990	2.20	1.10	2.60	5.60	1.75	55.50	5.45	150.0

Year	Onion	Sweet corn	Snap beans	Cucumbers	Peas	Carrots	Apples	Cranberries
	Dollars per cwt.	Dollars per ton				Dollars per cwt.	Cents per pound	Dollars per barrel
1979	4.01	40.50	137	146	195	3.39	13.80	26.70
1980	12.30	44.70	134	170	197	4.11	13.50	32.80
1981	9.34	60.10	146	142	218	4.07	14.00	41.30
1982	4.12	50.50	137	n.a.	199	4.28	13.70	39.70
1983	11.90	56.40	140	n.a.	215	4.74	16.60	44.10
1984	5.05	57.30	152	105	222	4.83	22.00	46.40
1985	4.31	60.30	152	125	226	4.70	14.00	45.70
1986	11.50	57.70	143	160	208	6.49	17.10	44.40
1987	10.30	57.50	143	163	217	6.00	15.50	44.40
1988	10.70	57.10	151	187	251	5.91	21.20	45.20
1989	7.29	63.00	152	184	224	5.44	15.60	42.50
1990	5.00	65.90	167	187	234	6.51	21.50	n.a.

1/Marketing year weighted average except milk cows, 12-month straight average. Marketing year is calendar year except: hogs and eggs, December/November; corn and soybeans, September/August; oats, wheat, potatoes, hay and barley, June/May. 2/"Cows" and "steers and heifers" combined. 3/1979-1982 — price for all eggs; 1982 on — market eggs only. N. a. — not available.

PRICES PAID BY FARMERS FOR COMMODITIES USED IN PRODUCTION
United States, 1987-90

Commodity and unit 1/	Annual average price			
	1990	1989	1988	1987
	Dollars			
FARM MACHINERY				
Combine, self-propelled with grain head, medium capacity	85,100	78,500	72,000	65,300
Corn head, for combine, 4-row	12,900	12,300	11,800	11,100
Corn planter, with fertilizer attachment, 4-row	10,700	10,100	9,800	7,500
Disk harrow, tandem, drawn, 15-17 ft.	9,285	8,825	8,195	7,575
Forage harvester, p.t.o. shear bar, pick-up-attachment	17,300	16,400	15,500	14,800
Mower, drawn or mounted, 7 ft.	3,200	3,060	2,850	2,670
Plow, moldboard, 3 bottoms, drawn or mounted, 1 way	3,250	3,120	2,820	2,630
Tractor, 50-59 p.t.o. or belt hp	17,950	17,350	17,150	16,650
Tractor, wheel, 110-129 p.t.o. or belt hp	45,750	43,900	40,800	38,950
Wagon, farm, gravity unload, running gear and box, less tires	2,680	2,590	2,420	2,330
MOTOR SUPPLIES				
Diesel fuel, per gallon	0.94	0.76	0.73	0.71
Grease, per 35-pound pail	34.25	32.40	31.50	31.60
Motor oil, heavy duty (detergent), per gallon	4.89	4.73	4.70	4.58
Storage batteries, cpr 220-310 amps	49.30	48.50	49.10	48.20
Tires, tractor, rear, 18.4-34, 6-ply	447.00	432.50	411.50	395.00
FARM SUPPLIES				
Chain saw, gasoline, 20-inch	373.00	367.50	363.00	366.00
Fence, field and stock, 6' stay wire sp., 32' high, per 20-rod	74.65	73.70	71.60	71.75
Pipe, iron, galvanized, 1 1/4-inch inside diameter, per foot	2.21	2.09	2.04	2.01
Post, line fence, steel	2.65	2.61	2.48	2.48
Twine, baler, per 40-pound bale	23.85	21.95	20.75	18.30
Wire, barbed, galvanized, 12 1/2 gauge, 4-point, per 80-rod sp	37.70	37.60	37.15	36.20
BUILDING MATERIALS				
Blocks, concrete, 8 X 8 X 16, per 100	102.00	99.80	99.00	96.70
Cement, portland, 94 lb. net	6.51	6.45	6.37	6.30
Lumber, framing, 2 X 4 fir, standard and better, per 1,000 bd.	399.33	404.33	392.33	391.00
Roofing, galvanized steel, 28-29 gauge, per 100 sq. ft.	45.67	44.03	42.97	41.40
FERTILIZER AND LIMING MATERIALS				
Anhydrous ammonia, per ton	190.00	202.00	199.50	183.50
Mixed fertilizer, 6-24-24, per ton	199.50	206.50	208.00	179.50
Muriate of potash, 60%, K20, per ton	152.50	158.00	157.00	125.00
Nitrogen solutions, 28% N, per ton	147.00	132.00	126.00	111.50
FEED				
Dairy feed, 16% protein, per ton	182.25	188.50	182.00	153.75
Hog concentrate, 38-42% protein, per ton	302.75	344.75	345.25	276.75
Soybean meal, 44%, cwt.	13.13	15.63	15.65	11.93
SEED				
Alfalfa, certified	253.00	249.00	245.00	222.00
Corn, hybird, 80,000 kernels	69.90	71.40	64.20	64.90
Oats, spring, bu.	4.19	5.89	4.37	3.99
Potatoes, cwt.	11.00	10.60	7.12	7.95
Soybeans, bu.	12.50	14.70	11.90	11.30
AGRICULTURAL CHEMICALS				
Alachlor (lasso), 4#/gal.	114.00	108.00	102.00	96.80
Captan 50% wettable powder, lb.	2.01	1.89	1.81	1.81
Carbaryl (sevin), 80% wettable powder, 10 lb.	34.90	32.60	32.50	31.20
Malathion, 5#/gal.	92.70	90.10	88.90	91.80

1/Units are each, unless otherwise specified.

USE OF FOREIGN-OWNED AGRICULTURAL LAND IN WISCONSIN: By County, December 31, 1990

County	Cropland	Pasture	Forest	Other agriculture	Other non-agriculture	Total
	Acres					
Barron	160	160	58	0	0	378
Bayfield	12	10	560	0	58	640
Clark	110	74	0	135	0	319
Columbia	80	0	0	0	0	80
Dane	1,546	36	50	354	128	2,114
Dodge	320	4	0	0	11	335
Douglas	0	0	40	0	40	80
Dunn	195	0	275	0	0	470
Fond Du Lac	1,238	0	0	7	0	1,245
Grant	2,114	184	0	66	30	2,394
Green	322	0	0	0	40	362
Jefferson	315	0	0	18	0	333
Lafayette	3,023	633	60	45	79	3,840
Marathon	120	10	67	0	3	200
Marquette	97	0	30	80	125	332
Milwaukee	49	0	47	0	5	101
Outagamie	25	0	0	0	31	56
Pierce	0	0	41	0	0	41
Price	0	0	397	0	0	397
Racine	320	0	25	0	161	506
Richland	47	78	70	0	5	200
Rock	913	0	12	77	10	1,012
Rusk	562	0	0	0	438	1,000
St. Croix	85	90	52	0	0	227
Sauk	150	100	611	100	0	961
Sheboygan	60	0	7	0	0	67
Trempealeau	138	17	10	0	5	170
Vilas	0	0	223	0	0	223
Walworth	4,321	394	454	417	354	5,940
Washburn	0	0	0	140	0	140
Waukesha	194	0	8	0	1	203
Waupaca	30	10	0	0	0	40
Winnebago	26	0	0	0	1	27
Total	16,572	1,800	3,097	1,439	1,525	24,433

Source: Foreign Ownership of U.S. Agricultural Land Through December 31, 1990: County-Level Data: USDA, ERS, 1991.

AGRICULTURAL LANDHOLDINGS IN WISCONSIN BY COUNTRY OF FOREIGN OWNER:
By County, December 31, 1990

County	Canada	Germany (West)	Netherlands	Netherlands Antilles	United Kingdom	All others	Total
				Acres			
Barron	0	58	0	0	0	320	378
Bayfield	0	560	0	0	0	80	640
Clark	0	0	0	0	0	319	319
Columbia	0	0	0	0	0	80	80
Dane	485	0	0	0	383	1,246	2,114
Dodge	0	0	0	0	0	335	335
Douglas	0	0	0	0	0	80	80
Dunn	0	470	0	0	0	0	470
Fond du Lac	0	0	0	0	7	1,238	1,245
Grant	170	2,224	0	0	0	0	2,394
Green	0	362	0	0	0	0	362
Jefferson	0	0	333	0	0	0	333
Lafayette	0	2,134	0	1,706	0	0	3,840
Marathon	0	0	0	0	0	200	200
Marquette	0	332	0	0	0	0	332
Milwaukee	0	82	19	0	0	0	101
Pierce	0	0	0	0	0	41	41
Outagamie	0	0	0	0	56	0	56
Racine	0	0	0	0	0	506	506
Price	0	397	0	0	0	0	397
Richland	0	0	0	0	0	200	200
Rock	0	852	0	0	0	160	1,012
Rusk	0	0	0	0	1,000	0	1,000
St. Croix	40	0	0	0	0	187	227
Sauk	0	0	0	0	594	367	961
Sheboygan	0	0	67	0	0	0	67
Trempealeau	0	0	0	0	0	170	170
Vilas	0	223	0	0	0	0	223
Walworth	11	4,428	0	0	420	1,081	5,940
Washburn	0	0	0	0	140	0	140
Waukesha	0	9	0	0	0	194	203
Waupaca	40	0	0	0	0	0	40
Winnebago	0	0	0	0	0	27	27
Total	746	12,131	419	1,706	2,600	6,831	24,433

Source: Foreign Ownership of U.S. Agricultural Land Through December 31, 1990: County-Level Data. USDA, ERS, 1991.

The export market table shows that Japan has been the principal destination for U.S. agricultural exports from 1987 - 1989. The foreign agricultural landholdings table reveals that at the end of 1989, West Germany was the largest foreign landholder in the state, with most of these lands located in the southwest and southeast corners of Wisconsin.

FOREIGN OWNERSHIP OF AGRICULTURAL LAND IN WISCONSIN: By County, December 31, 1990

County	Parcels (number)	Acres (number)	Reported value 1/ (1,000 Dollars)
Barron	2	378	289
Bayfield	3	640	95
Clark	2	319	475
Columbia	3	80	36
Dane	7	2,114	2,415
Dodge	2	335	450
Douglas	1	80	11
Dunn	2	470	59
Fond du Lac	3	1,245	2,144
Grant	9	2,394	3,876
Green	2	362	756
Jefferson	2	333	393
Lafayette	12	3,840	4,541
Marathon	1	200	125
Marquette	2	332	172
Milwaukee	3	101	308
Outagamie	1	56	140
Pierce	1	41	21
Price	1	397	40
Racine	3	506	438
Richland	2	200	122
Rock	8	1,012	1,036
Rusk	1	1,000	250
St. Croix	2	227	138
Sauk	3	961	385
Sheboygan	1	67	47
Trempealeau	1	170	200
Vilas	1	223	415
Walworth	35	5,940	10,381
Washburn	1	140	65
Waukesha	2	203	308
Waupaca	1	40	34
Winnebago	1	27	130
Total	121	24,433	30,295

1/Reported value is purchase price or nonpurchase price (estimated value) at time of acquisition. Source: Foreign Ownership of U.S. Agricultural Land Through December 31, 1990: County-Level Data. USDA, ERS, 1991.

Top 50 U.S. Agricultural Export Markets
Calender Year 1989
(1988 and 1987 included for comparison)

Area	1989	1988	1987
	Value (000 dollars)		
World	39,962,048	37,080,418	28,709,118
Japan	8,161,739	7,640,017	5,722,886
USSR	3,586,116	2,252,083	938,108
Mexico	2,721,397	2,234,611	1,201,831
South Korea	2,593,246	2,274,004	1,833,412
Canada	2,220,819	2,019,046	1,807,602
China (Taiwan)	1,754,182	1,661,170	1,285,058
Netherlands	1,722,320	2,058,709	1,985,498
China (Mainland)	1,435,008	758,988	362,072
Federal Republic Germany	1,000,227	1,172,195	1,284,592
Egypt	989,172	840,823	679,233
Spain	859,214	882,780	665,654
Iraq	749,289	808,229	538,486
United Kingdom	702,593	835,008	661,428
Italy	637,499	699,092	696,688
Hong Kong	614,715	488,626	466,008
Pakistan	541,722	392,561	137,966
Algeria	504,392	595,830	310,498
Saudi Arabia	469,651	453,483	483,479
Belgium-Luxembourg	466,694	408,783	446,577
France	457,541	533,873	524,177
Venezuela	447,610	683,170	494,125
Philippines	349,538	347,375	266,407
Portugal	325,243	300,895	288,710
Turkey	305,146	121,680	115,154
Israel	298,224	328,747	271,441
Dominican Rep.	261,523	223,568	205,405
Indonesia	231,286	224,381	171,617
Ireland	202,109	152,997	123,446
Morocco	196,885	220,932	217,523
Bangladesh	192,989	105,957	140,961
Thailand	190,378	168,569	110,247
Switzerland	174,426	186,455	149,782
Brazil	167,089	74,028	297,138
Jordan	164,728	83,256	43,589
Jamaica	161,519	149,090	102,951
Singapore	155,344	146,685	126,790
Australia	154,943	158,474	126,681
Columbia	149,684	183,615	130,793
India	134,869	449,907	109,808
Bulgaria	129,612	96,154	46,663
Sweden	128,055	150,628	117,161
Peru	125,660	162,324	132,485
Ecuador	121,728	104,369	75,194
Malaysia	110,512	99,051	90,318
Bahamas	107,098	114,845	113,255
Haiti	105,924	100,592	99,337
Sri Lanka	103,696	80,232	41,497
Tunisia	103,328	131,836	55,271
Norway	102,501	90,836	83,013
Denmark	102,380	120,263	111,047

Source: Foreign Agricultural Trade of the United States, USDA, ERS, 1990.

RECORD HIGHS AND LOWS IN WISCONSIN AGRICULTURE

Commodity	Unit	Record high quantity	Year	Record low quantity	Year	Year estimate started
Corn for grain						
Harvested	Acres	3,500,000	1981	478,000	1927	1924
Yield	Bu.	118.0	1986, 1987, 1990	24.5	1924	1924
Production	Bu.	378,000,000	1981	13,862,000	1927	1924
Corn for silage						
Harvested	Acres	1,450,000	1988	670,000	1990	1924
Yield	Ton	14.0	1986, 1987, 1990	4.2	1936	1924
Production	Ton	12,744,000	1981	5,557,000	1936	1924
Hay, all (dry only)						
Harvested	Acres	4,263,000	1944	2,613,000	1912	1909
Yield	Ton	3.49	1982	0.94	1934	1909
Production	Ton	12,770,000	1984	2,846,000	1910	1909
Oats						
Harvested	Acres	2,987,000	1945	375,000	1866	1866
Yield	Bu.	67.0	1990	22.0	1907	1866
Production	Bu.	156,221,000	1958	12,375,000	1866	1866
Soybeans						
Harvested	Acres	450,000	1984	1,000	1927	1924
Yield	Bu.	41.0	1990	9.0	1925 & 1924	1924
Production	Bu.	17,360,000	1990	10,000	1927	1924
Wheat, all						
Harvested	Acres	2,050,000	1878	27,000	1973	1866
Yield	Bu.	56.1	1985	8.0	1876	1866
Production	Bu.	26,250,000	1873	890,000	1973	1866
Barley						
Harvested	Acres	929,000	1935	21,000	1974	1866
Yield	Bu.	59.0	1980	20.5	1936 & 1874	1866
Production	Bu.	25,548,000	1935	814,000	1973	1866
Potatoes, all						
Harvested	Acres	325,000	1922	45,500	1972	1866
Yield	Cwt.	380.0	1985	25.8	1894	1866
Production	Cwt.	24,130,000	1985	2,306,000	1870	1866
Tobacco, all						
Harvested	Acres	48,000	1918	1,000	1870 & 1869	1869
Yield	Lbs.	2,192	1985	600	1883	1869
Production	Lbs.	62,400,000	1918	1,025,000	1869	1869
Green peas						
Harvested	Acres	151,000	1943	50,840	1919	1918
Yield	Ton	1.87	1982	0.47	1932	1918
Production	Ton	177,550	1979	35,620	1932	1918
Sweet corn						
Harvested	Acres	152,000	1989	2,400	1932	1918
Yield	Ton	5.73	1990	1.30	1927 & 1924	1918
Production	Ton	810,160	1989	5,500	1932	1918
Snap beans						
Harvested	Acres	88,700	1987	1,000	1921	1918
Yield	Ton	3.41	1989	1.00	1947	1918
Production	Ton	281,330	1989	1,900	1921	1918
Cattle, all, Jan. 1	Head	4,640,000	1975	2,913,000	1929	1920
Milk cows, Jan. 1	Head	2,585,000	1945 & 1946	1,890,000	1989	1920
Hogs, all, Dec. 1	Head	2,516,000	1944	1,064,000	1935	1924
Breeding, Dec. 1	Head	372,000	1963	170,000	1985 & 1986	1963
Sheep, stock, Jan. 1	Head	430,000	1931	72,000	1977	1920
Hens & pullets of laying age, Dec. 1	Head	18,848,000	1944	3,345,000	1988	1924

WISCONSIN CROPS: Usual Planting and Harvesting Dates

Crops	Usual Planting Dates		Usual Harvesting Dates			Principal Producing Areas	
	Begins	Ends	Begins	Most Active	Ends	Districts	Counties
FIELD CROPS							
Corn for Grain	May 5	June 10	Oct. 5	Oct. 20 -Nov. 5	Nov. 30	SC, SW, WC	Dane, Grant, Rock
Corn for Silage	May 10	June 20	Sept. 10	Sept. 15 -Sept. 30	Oct. 20	SW, WC EC, SC	Marathon, Outagamie, Dodge
Oats	April 10	May 25	July 30	Aug. 10 -Aug. 20	Sept. 5	EC, WC SW, SC	Marathon, Grant, Manitowoc
Barley	April 15	May 15	July 25	July 30 -Aug. 10	Aug. 15	EC, NC, WC NW	Marathon, Manitowoc, Clark
Rye	Sept. 5	Oct. 15	July 10	July 15 -July 25	Aug. 5	C, WC, NC	Portage, Oneida, Pepin
Winter Wheat	Sept. 10	Sept. 30	July 15	July 20 -July 31	Aug. 5	SC, C, SE	Dodge, Dane, Jefferson
Spring Wheat	April 10	May 20	July 25	Aug. 5 -Aug. 15	Aug. 25	SC, SE	Sheboygan, Columbia, Dane
Soybeans	May 15	June 20	Oct. 5	Oct. 20 -Nov. 1	Nov. 20	SC, SE, WC	Rock, Racine, Walworth
Tobacco	June 1	July 5	Aug. 15	Aug. 25 -Sept. 10	Sept. 25	SW, SC, SE	Dane, Vernon, Rock
Potatoes	April 20	June 10	July 20	Aug. 15 -Oct. 15	Oct. 30	NC, NE, C	Portage, Langlade, Waushara
Alfalfa Hay			June 5		Oct. 5	SW, WC, SC	Grant, Dane, Iowa
All Other Hay			June 10		Sept. 30	NC, NW, WC	Clark, Marathon, Taylor
Mint	April 20	June 1	July 10	July 25 -Aug. 25	Sept. 15	C, SC, SE	Marquette, Walworth, Dane
VEGETABLES							
Onions, Storage (Fr)	April 15	May 20	Sept. 1	Sept. 10 -Oct. 1	Oct. 20	C, EC, SC, SE	Marquette, Columbia, Jefferson
Lettuce (Fr)	April 10	July 10	June 25	July 1 -Sept. 15	Oct. 1	C, SC, EC	Marquette, Fond du Lac, Adams
Carrots (Fr, Pr)	May 15	June 30	Aug. 15	Aug. 25 -Oct. 25	Nov. 15	C, NE, SC, SE	Marquette, Columbia, Jefferson, Oconto
Snap Beans (Pr)	May 10	July 10	July 10	Aug. 1 -Sept. 15	Oct. 5	C, EC, NW, NE	Portage, Waushara, Manitowoc, Adams
Sweet Corn (Pr)	May 5	June 30	Aug. 5	Aug. 15 -Sept. 25	Oct. 5	EC, SC, C	Fond du Lac, Dodge, Dane, Green Lake
Green Peas (Pr)	April 15	May 10	June 15	July 1 -July 20	Aug. 10	EC, SC, C	Fond du Lac, Dodge, Sheboygan, Dane
Cucumbers for Pickles (Pr)	May 15	June 15	July 25	Aug. 10 -Sept. 15	Oct. 1	NE, C, EC	Portage, Outagamie, Waushara, Marinette

(Fr) - Fresh Market, (Pr) - Processing

UNITED STATES DEPARTMENT OF AGRICULTURE
WISCONSIN AGRICULTURAL STATISTICS SERVICE
Box 9160, Madison, WI 53715

OFFICIAL BUSINESS

THIRD CLASS BULK
POSTAGE & FEES PAID
USDA
PERMIT NO. G-38

906R01 55 00000 06-200019480
00
CONGRESSIONAL INF SVC INC
ATTN: SRI
4520 E WEST HWY
BETHESDA MD 20814

TRADE & CONSUMER PROTECTION